

CONTRACT FOR SUPPLY

CONTRACT NO: 1530-15039

FOR

**SERVICES, TESTING, MAINTENANCE AND REPAIR SERVICES FOR SECURITY
SYSTEMS, BUILDING AUTOMATION SYSTEMS, FIRE ALARM SYSTEMS, TWO-
WAY RADIO SYSTEM AND ELECTRICAL DISTRIBUTION EQUIPMENT FOR
JOHN H. STROGER, JR. HOSPITAL OF COOK COUNTY**

FOR

PROXIMITY CARDS

BETWEEN



**COOK COUNTY GOVERNMENT
BUREAU OF HUMAN RESOURCES**

AND

JOHNSON CONTROLS, INC.

(Based on Cook County Health And Hospitals System Contract No. H13-28-058)

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List of Exhibits

Exhibit 1	Scope of Services and Price Proposal
Exhibit 2	Cook County Health And Hospitals System Contract No. H13-28-058)
Exhibit 3	Evidence of Insurance
Exhibit 4	Electronic Payables Program
Exhibit 5	Identification of Subcontractor/Supplier/Subconsultant Form
Exhibit 6	Minority and Women Owned Business Enterprise Commitment and MBE/WBE Utilization Plan
Exhibit 7	Economic Disclosure Forms Signature Pages

AGREEMENT

This Agreement is made and entered into by and between the County of Cook, a public body corporate of the State of Illinois, hereinafter referred to as "County" and Johnson Controls, Inc., doing business as a corporation of the State of Illinois hereinafter referred to as "Contractor".

BACKGROUND

Whereas, the County, pursuant to Section 34-140 (the "Reference Contract Ordinance") of the Cook County Procurement Code, states: "If a governmental agency has awarded a contract through a competitive method for the same or similar supplies, equipment, goods or services as that sought by the County, the Procurement may be made from that vendor at a price or rate at least as favorable as that obtained by that government agency without utilizing a competitive procurement method set forth in this Procurement Code;" and

Whereas, the Cook County Health and Hospitals System solicited a formal Request for Proposals process for Services, and the Contractor was identified as the qualified and best value provider for the services; and

Whereas, the Board of Directors of the Cook County Health And Hospitals System approved the contract on June 27, 2013 for the provision of goods and services by the Contractor for the County relative to Services, Testing, Maintenance and Repair Services for Security Systems, Building Automation Systems, Fire, Alarm Systems, Two-Way Radio System and Electrical Distribution Equipment for John H. Stroger, Jr. Hospital of Cook County for the contract period of July 1, 2013 through June 30, 2016.; and

Whereas, the County wishes to leverage the procurement efforts of the Cook County Health and Hospitals System; and

Whereas, this contract made and entered into by and between the County of Cook, a public body corporate of the State of Illinois, herein after the "County" and Johnson Controls, Inc., herein after the "Contractor"; and

Whereas, the County, through the Bureau of Human Resources, desires certain similar goods of the Contractor; and

Whereas, County Offices, Departments, and Agencies may utilize this agreement for specific contracted procurement efforts; and

Whereas, the Contractor agrees to provide to the County with Proximity Cards, incorporated as Exhibit 1, Scope of Services and Price Proposal; and

Whereas, the Contractor warrants that it is ready, willing and able to deliver these services set forth in Exhibit 1, Scope of Services and Price Proposal, all on pricing and payment terms equivalent to or more favorable to the County than those contained in the Cook County Health and Hospitals System Contract No. H13-28-058 as set forth in Exhibit 1, Scope of Services and Price Proposal, and incorporated herein by reference; and

Whereas, this Contract shall be effective January 17, 2016 through January 16, 2017. The Chief Procurement Officer may at any time before this Agreement expires elect to renew this Agreement for one (1) additional one-year period under the same terms and conditions as this original Agreement, except as provided otherwise in this Agreement, by notice in writing to Contractor. After notification by the Chief Procurement Officer, this Agreement must be modified to reflect the time extension in accordance with the provisions of GC-16 Modifications and Amendments; and

Whereas, Payment shall be as follows:

In no case shall such charges exceed the amount of \$55,180.00. Invoices in triplicate on County Invoice Form 29A shall be submitted by the Contractor to the Using Department when requesting payment. The County shall have the right to examine the books of the Contractor for the purpose of auditing the same with reference to all charges made to the County.

In the event the Contractor receives payment under the Contract, reimbursement for which is later disallowed by the County, the Contractor shall promptly refund the disallowed amount to the County on request, or at the County's option, the County may credit the amount disallowed from the next payment due or to become due to the Contractor under any contract with the County; and

Whereas, Cook County Health And Hospital System executed Contract No. H13-28-058 on July 1, 2013 for the provision of Services, a copy of the contract is attached hereto as Exhibit 2 for reference purposes only, but the terms of the contract are not a made a part of or incorporated into this Agreement; and

Whereas, the County General Conditions are incorporated and attached, and this Contract incorporates and is subject to the provisions attached hereto as General Conditions, and is incorporated herein by this reference; Notwithstanding such incorporation, none of the terms set forth in Exhibit 2 which conflict with the express terms of this Contract or its General Conditions shall be deemed or construed to supersede the terms of this Contract or its General Conditions; and

NOW, THEREFORE, in consideration of the mutual promises and covenants herein contained, the sufficiency of which is acknowledged by each of the Parties, the Contractor and the County agree and the information set forth is incorporated by reference herein.

INCORPORATION OF BACKGROUND INFORMATION

The Background Information set forth above is incorporated and made a part of this Agreement by reference.

INCORPORATION OF EXHIBITS

The following attached Exhibits are made a part of this Agreement:

- | | |
|-----------|--|
| Exhibit 1 | Scope of Services and Price Proposal |
| Exhibit 2 | Cook County Health And Hospitals System Contract No. H13-28-058) |
| Exhibit 3 | Evidence of Insurance |
| Exhibit 4 | Electronic Payables Program |
| Exhibit 5 | Identification of Subcontractor/Supplier/Subconsultant Form |
| Exhibit 6 | Minority and Women Owned Business Enterprise Commitment and MBE/WBE Utilization Plan |
| Exhibit 7 | Economic Disclosure Forms
Signature Pages |

GENERAL CONDITIONS

GC-01 SUBCONTRACTING OR ASSIGNMENT OF CONTRACT OR CONTRACT FUNDS

Once awarded, this Contract shall not be subcontracted or any part thereof assigned without the express written approval of the County Chief Procurement Officer ("Chief Procurement Officer"). In no case, however, shall such approval relieve the Contractor from his obligations or change the terms of the Contract. The Contractor shall not transfer or assign any Contract funds or claims due or to become due without the advance written approval of the Chief Procurement Officer. The unauthorized subcontracting or assignment of the Contract, in whole or in part, or the unauthorized transfer or assignment of any Contract funds, either in whole or in part, or any interest therein, which shall be due or are to become due the Contractor shall have no effect on the County and are null and void.

The Contractor shall identify any and all contractors and subcontractors it intends to use in the performance of the Contract by completing the Identification of Subcontractor/Supplier/Subconsultant Form ("ISF"). All such persons shall be subject to the prior approval of the County. The Contractor will only subcontract with competent and responsible Subcontractors. The Chief Procurement Officer may require in his or her sole discretion, that the Contractor provide copies of all contracts with subcontractors.

The Contractor and its employees, contractors, subcontractors, agents and representatives are, for all purposes arising out of this Contract, independent contractors and are not employees of the County. It is expressly understood and agreed that the Contractor and its employees, contractors, subcontractors, agents and representatives shall in no event as a result of a contract be entitled to any benefit to which County employees are entitled, including, but not limited to, overtime, retirement benefits, worker's compensation benefits and injury leave or other leave benefits.

GC-02 INDEMNIFICATION

The Contractor covenants and agrees to indemnify and save harmless the County and its commissioners, officials, employees, agents and representatives, and their respective heirs, successors and assigns, from and against any and all costs, expenses, attorney's fees, losses, damages and liabilities incurred or suffered directly or indirectly from or attributable to any claims arising out of or incident to the performance or nonperformance of the Contract by the Contractor, or the acts or omissions of the officers, agents, employees, contractors, subcontractors, licensees or invitees of the Contractor. The Contractor expressly understands and agrees that any Performance Bond or insurance protection required of the Contractor, or otherwise provided by the Contractor, shall in no way limit the responsibility to indemnify the County as hereinabove provided.

GC-03 INSPECTION AND RESPONSIBILITY

The County shall have a right to inspect and approve any Contract goods, equipment, supplies or services used in carrying out this Contract and shall approve the quality and standards of all materials or completed work furnished under this Contract. Contract goods, equipment, supplies or services not complying herewith may be rejected by the Chief Procurement Officer and/or the Director and shall be replaced and/or re-performed by the Contractor at no cost to the County. Any Contract goods, equipment or supplies rejected shall be removed within a reasonable time from the premises of the County at the entire expense of the Contractor, after notice has been given by the County to the Contractor that such Contract goods, equipment or supplies have been rejected.

GC-04 PAYMENT TO CONTRACTORS AND SUBCONTRACTORS

All invoices submitted by the Contractor shall be in accordance with the cost provisions contained in the Contract Documents and shall contain a detailed description of the Deliverables (i.e., the goods, equipment, supplies or services) including the quantity of the Deliverables, for which payment is requested. All invoices for services shall include itemized entries indicating the date or time period in which the services were provided, the amount of time spent performing the services, and a detailed description of the services provided during the period of the invoice. All invoices shall reflect the amounts invoiced by and the amounts paid to the Contractor as of the date of the invoice. Invoices for new charges shall not include "past due" amounts, if any, which amounts must be set forth on a separate invoice. Contractor shall not be

entitled to invoice the County for any late fees or other penalties.

In accordance with Section 34-177 of the Cook County Procurement Code, the County shall have a right to set off and subtract from any invoice(s) or Contract price, a sum equal to any fines and penalties, including interest, for any tax or fee delinquency and any debt or obligation owed by the Contractor to the County.

The Contractor acknowledges its duty to ensure the accuracy of all invoices submitted to the County for payment. By submitting the invoices, the Contractor certifies that all itemized entries set forth in the invoices are true and correct. The Contractor acknowledges that by submitting the invoices, it certifies that it has delivered the Deliverables, i.e., the goods, supplies or equipment set forth in the Contract to the Using Agency, or that it has properly performed the services set forth in the Contract. The invoice must also reflect the dates and amount of time expended in the provision of services under the Contract. The Contractor acknowledges that any inaccurate statements or negligent or intentional misrepresentations in the invoices shall result in the County exercising all remedies available to it in law and equity including, but not limited to, a delay in payment or non-payment to the Contractor, and reporting the matter to the Cook County Office of the Independent Inspector General.

When a Contractor receives any payment from the County for any supplies, equipment, goods, or services, it has provided to the County pursuant to its Contract, the Contractor must make payment to its subcontractors within 15 days after receipt of payment from the County, provided that such subcontractor has satisfactorily provided the supplies, equipment, goods or services in accordance with the Contract and provided the Contractor with all of the documents and information required of the Contractor. The Contractor may delay or postpone payment to a subcontractor when the subcontractor's supplies, equipment, goods, or services do not comply with the requirements of the Contract, the Contractor is acting in good faith, and not in retaliation for a subcontractor exercising legal or contractual rights.

GC-05 PREPAID FEES

In the event this Contract is terminated by either party, for cause or otherwise, and the County has prepaid for any goods, equipment, supplies or services to be provided pursuant to this Contract, Contractor shall refund to the County, on a prorated basis to the effective date of termination, all amounts prepaid for such goods, equipment, supplies or services not actually provided as a result of the termination. The refund shall be made within fourteen (14) days of the effective date of termination.

GC-06 TAXES

Federal Excise Tax does not apply to materials purchased by the County by virtue of Exemption

Certificate No. 36-75-0038K. Illinois Retailers' Occupation Tax, Use Tax and Municipal Retailers' Occupation Tax do not apply to materials or services purchased by the County by virtue of statute. The price or prices quoted herein shall include any and all other federal and/or state, direct and/or indirect taxes which apply to this Contract. The County's State of Illinois Sales Tax Exemption Identification No. is E-9998-2013-07.

GC-07 PRICE REDUCTION

If at any time after the Contract award, Contractor makes a general price reduction in the price of any goods, equipment, supplies or services covered by the Contract, the equivalent price reduction based on similar quantities and/or considerations shall be applied to this Contract for the term of the Contract. Such price reductions shall be effective at the same time and in the same manner as the reduction in the price to customers generally.

GC-08 CONTRACTOR CREDITS

To the extent the Contractor gives credits toward future purchases from its financial incentives, discounts, value points or other benefits based on the purchase of the goods, equipment, supplies or services provided for under this Contract, such credits belong to the County and not any specific Using Agency. Contractor shall report any such credits to the Chief Procurement Officer.

GC-09 DISPUTES

Any dispute arising under the Contract between the County and Contractor shall be decided by the Chief Procurement Officer. The complaining party shall submit a written statement detailing the dispute and specifying the specific relevant Contract provision(s) to the Chief Procurement Officer. Upon request of the Chief Procurement Officer, the party complained against shall respond to the complaint in writing within five days of such request. The Chief Procurement Officer will reduce his decision to writing and mail or otherwise furnish a copy thereof to the Contractor and Director. Dispute resolution as provided herein shall be a condition precedent to any other action at law or in equity. Notwithstanding a dispute, Contractor shall continue to discharge all its obligations, duties and responsibilities set forth in the Contract during any dispute resolution proceeding unless otherwise agreed to by the County in writing.

GC-10 CONTRACT AMENDMENTS

The parties may during the term of the Contract make amendments to the Contract but only as provided in this section. Such amendments shall only be made by mutual agreement in writing.

In the case of Contracts not approved by the Board, the Chief Procurement Officer may amend a contract provided that any such amendment does not extend the Contract by more than one (1) year, and further provided that the total cost of all such amendments does not increase the total amount of the Contract beyond \$150,000. Such action may only be made with the advance written approval of the Chief Procurement Officer. If the amendment extends the Contract

beyond one (1) year or increases the total award amount beyond \$150,000, then Board approval will be required.

No Using Agency or employee thereof has authority to make any amendments to the Contract. Any modifications or amendments to the Contract made without the express written approval of the Chief Procurement Officer is void and unenforceable.

Contractor is hereby notified that, except for amendments which are made in accordance with this GC-10 Modifications and Amendments, no Using Agency or employee thereof has authority to make any modification or amendment to the Contract.

GC-11 DEFAULT

Contractor shall be in default hereunder in the event of a material breach by Contractor of any term or condition of this Contract where Contractor has failed to cure such breach within ten (10) days after written notice of breach is given to Contractor by the County, setting forth the nature of such breach.

A material breach of the contract by the Contractor includes but is not limited to the following:

1. Failure to begin performance under the Contract within the specified time;
2. Failure to perform under the Contract with sufficient personnel, equipment, or materials to ensure completion of said performance within the specified time or failure to assign qualified personnel to ensure completion within the specified time;
3. Performance of the Contract in an unsatisfactory manner;
4. Refusal to perform services deemed to be defective or unsuitable;
5. Discontinuance of performance of Contractor's obligations under the Contract or the impairment or the reasonable progress of performance;
6. Becoming insolvent, being declared bankrupt or committing any act of bankruptcy or insolvency;
7. Any assignment of the Contract for the benefit of creditors;

GC-11 DEFAULT (con't.)

8. Any cause whatsoever which impairs performance in an acceptable manner; or
9. Any other material breach of any term or condition of the Contract.

County shall be in default hereunder if any material breach of the Contract by the County occurs which is not cured by the County within forty-five (45) days after written notice of breach has been given by Contractor to the County, setting forth the nature of such breach.

GC-12 COUNTY'S REMEDIES

If the Contractor fails to remedy a material breach during the ten (10) day cure period pursuant to General Condition GC-11, Default, the County shall have the right to terminate the Contract provided, however, that the County shall give Contractor prior written notice of its intent to terminate. Following notice of breach to Contractor, the County reserves the right to withhold payments owed to Contractor until such time as Contractor has cured the breach which is the subject matter of the notice. In addition, the County shall have the right to pursue all remedies in law or equity.

GC-13 CONTRACTOR'S REMEDIES

If the County has been notified of breach and fails to remedy the breach during the forty-five (45) day cure period pursuant to General Condition GC-11, Default, the Contractor shall have the right to terminate this Contract providing, however, that Contractor shall give the County thirty (30) days prior written notice of termination.

Contractor shall have the right to pursue all remedies available in law or equity. In all cases the Contractor's damages shall be those provable damages not to exceed the value of the Contract as awarded by the Cook County Board of Commissioners or the Chief Procurement Officer.

GC-14 DELAYS

Contractor agrees that no charges or claims for damages shall be made by Contractor for any delays or hindrances from any cause whatsoever related to the performance of the Contract.

GC-15 INSURANCE REQUIREMENTS

The Consultant shall require all policies of insurance that are in any way related to the work and are secured and maintained by Consultant and all tiers of Subcontractor to include clauses providing that each underwriter shall waive all of its rights of recovery, under subrogation or otherwise, against Cook County, Board of Commissioners and employees of the County. The Consultant shall waive all rights of recovery against Cook County, Board of Commissioners, employees of the County and other Consultants and Subcontractor which Consultant may have or acquired because of deductible clauses in or inadequacy of limits of any policies of insurance that are in any way related to the work and that are secured and maintained by Consultant.

The Consultant shall require all tiers of Subcontractor to waive the rights of recovery against Cook County and all tiers of Subcontractor.

Insurance Requirements of the Contractor

Prior to the effective date of this Contract, Contractor, at its cost, shall secure and maintain at all times until completion of the term of this Contract the insurance specified below.

Nothing contained in these insurance requirements is to be construed as limiting the extent of the Contractor's responsibility for payment of damages resulting from its operations under this Contract.

Contractor shall require all Subcontractors to provide the insurance required in this Agreement, or Contractor may provide the coverages for Subcontractors. All Subcontractors are subject to the same insurance requirements as Contractor.

The Cook County Department of Risk Management maintains the right to modify, delete, alter or change these requirements.

Coverages

(a) **Workers Compensation Insurance**

Workers' Compensation shall be in accordance with the laws of the State of Illinois or any other applicable jurisdiction.

The Workers Compensation policy shall also include the following provisions:

- (1) Employers' Liability coverage with a limit of
 - \$500,000 each Accident
 - \$500,000 each Employee
 - \$500,000 Policy Limit for Disease

(b) **Commercial General Liability/Garage Liability Insurance**

The Commercial General/Garage Liability shall be on an occurrence form basis to cover bodily injury, personal injury and property damage.

Each Occurrence	\$ 1,000,000
General Aggregate	\$ 2,000,000
Completed Operations Aggregate	\$ 2,000,000

The policy shall include the following coverages:

- (a) All premises and operations;
- (b) Contractual Liability;
- (c) Products/Completed Operations;
- (d) Severability of interest/separation of insureds clause

(c) **Commercial Automobile Liability Insurance**

When any vehicles are used in the performance of this contract, Contractor shall secure Automobile Liability Insurance for bodily injury and property damage arising from the Ownership, maintenance or use of owned, hired and non-owned vehicles with a limit no less than \$1,000,000 per accident.

Additional requirements

(a) **Additional Insured**

The required insurance policies, with the exception of the Workers Compensation shall name Cook County, its officials, employees and agents as additional insureds with respect to operations performed. Contractor's insurance shall be primary and non-contributory with any insurance maintained by Cook County. Any insurance or self-insurance maintained by Cook County shall be excess of the Contractor's insurance and shall not contribute with it. The full policy limits and scope of protection shall apply to Cook County as an additional insured even if they exceed the minimum insurance limits specified above.

(b) **Qualification of Insurers**

All insurance companies providing coverage shall be licensed or approved by the Department of Insurance, State of Illinois, and shall have a financial rating no lower than (A-) VII as listed in A.M. Best's Key Rating Guide, current edition or interim report. Companies with ratings lower than (A-) VII will be acceptable only upon written consent of the Cook County Department of Risk Management. The insurance limits required herein may be satisfied by a combination of primary, umbrella and/or excess liability insurance policies.

(c) **Insurance Notices**

Contractor shall provide the Office of the Chief Procurement Officer with thirty (30) days advance written notice in the event any required insurance will be cancelled, materially reduced or non-renewed. Contractor shall secure replacement coverage to comply with the stated insurance requirements and provide new certificates of insurance to the Office of the Chief Procurement Officer.

Prior to the date on which Contractor commences performance of its part of the work, Contractor shall furnish to the Office of the Chief Procurement Officer certificates of insurance maintained by Contractor. The receipt of any certificate of insurance does not constitute agreement by the County that the insurance requirements have been fully met or that the insurance policies indicated on the certificate of insurance are in compliance with insurance required above.

In no event shall any failure of the County to receive certificates of insurance required hereof or to demand receipt of such Certificates of Insurance be construed as a waiver of Contractor's obligations to obtain insurance pursuant to these insurance requirements.

(d) **Waiver of Subrogation Endorsements**

All insurance policies must contain a Waiver of Subrogation Endorsement in favor of Cook County.

GC-16 PATENTS, COPYRIGHTS AND LICENSES

Contractor agrees to hold harmless and indemnify the County, its officials, agents, employees and affiliates from and defend, as permitted by Illinois law, at its own expense (including reasonable attorneys', accountants' and consultants' fees), any suit or proceeding brought against County based upon a claim that the ownership and/or use of equipment, hardware and software or any part thereof utilized in performing Contractor's services constitutes an infringement of any patent, copyright or license or any other intellectual property right.

In the event the use of any equipment, hardware or software or any part thereof is enjoined, Contractor with all reasonable speed and due diligence shall provide or otherwise secure for County, at the Contractor's election, one of the following: the right to continue use of the equipment, hardware or software; an equivalent system having the Specifications as provided in this Contract; or to modify the system or its component parts so that it becomes non-infringing while performing in a substantially similar manner to the original system, meeting the Specifications of this Contract.

GC-17 COMPLIANCE WITH LAWS

The Contractor shall observe and comply with the laws, ordinances, regulations and codes of the Federal, State, County and other local government agencies which may in any manner affect the performance of the Contract, including but not limited to those County Ordinances set forth in the Certifications, Affidavits or EDS attached hereto and incorporated herein. Assurance of compliance with this requirement by the Contractor's employees, agents or subcontractors shall be the responsibility of the Contractor.

The Contractor shall secure and pay for all federal, state and local licenses, permits and fees required in order to perform this Contract.

GC-18 DELIVERY

All Contract goods, equipment or supplies shipped to the County shall be shipped F.O.B., DESTINATION, FREIGHT PREPAID. Arrangements shall be made in advance by the Contractor in order that the County may arrange for receipt of the materials.

Truck deliveries will be accepted before 3:00 P.M. on weekdays only. No deliveries will be accepted on Saturdays, Sundays or County Holidays. The County is not responsible for delivery delays due to waiting times for loading and unloading at delivery locations.

The quantity of Contract goods, equipment or supplies based on weight that are delivered by truck will be ascertained from a weight certificate issued by a duly licensed Public Weight-Master. In the case of delivery by rail, weight will be ascertained from bill of lading from originating line, but the County reserves the right to re-weigh at the nearest available railroad scale.

The County reserves the right to add new delivery locations or delete previously listed delivery locations as required during the Contract period. The only restriction regarding the County's right to add new delivery locations shall be that any new or additional location shall be within the geographical boundaries of the County of Cook.

GC-19 MINORITY AND WOMEN BUSINESS ENTERPRISES
COOK COUNTY ORDINANCE CHAPTER 34, DIVISION 8 SECTION 34-260 to
SECTION 34-300

I. POLICY AND GOALS

The County shall set contract-specific goals, based on the availability of MBEs and WBEs that are certified to provide commodities or services specified in this solicitation document. The MBE/WBE participation goal for this Agreement is 0% MBE/WBE participation.

- A. It is the policy of the County of Cook to prevent discrimination in the award of or participation in County Contracts and to eliminate arbitrary barriers for participation in such Contracts by local businesses certified as a Minority Business Enterprise (MBE) and Women-owned Business Enterprise (WBE) as both prime and sub-contractors. In furtherance of this policy, the Cook County Board of Commissioners has adopted a Minority- and Women-owned Business Enterprise Ordinance (the "Ordinance") which establishes annual goals for MBE and WBE participation as outlined below:

Contract Type	Goals	
	MBE	WBE
Goods and Services	25%	10%
Construction	24%	10%
Professional Services	35% Overall	

- B. **The County shall set contract-specific goals, based on the availability of MBEs and WBEs that are certified to provide commodities or services specified in this solicitation document. The MBE/WBE participation goals for each Contract are stated in the Special Conditions.** A Bid, Quotation, or Proposal shall be rejected if the County determines that it fails to comply with this General Condition in any way, including but not limited to: (i) failing to state an enforceable commitment to achieve for this contract the identified MBE/WBE Contract goals; or (ii) failing to include a Petition for Reduction/Waiver, which states that the goals for MBE/WBE participation are not attainable despite the Bidder or Proposer Good Faith Efforts, and explains why. If a Bid, Quotation, or Proposal is rejected, then a new Bid, Quotation, or Proposal may be solicited if the public interest is served thereby.
- C. To the extent that a Bid, Quotation, or Proposal includes a Petition for Reduction/Waiver that is approved by the Office of Contract Compliance, the Contract specific MBE and WBE participation goals may be achieved by the proposed Bidder or Proposer's status as an MBE or WBE; by the Bidder or Proposer's enforceable joint-venture agreement with one or more MBEs and/or WBEs; by the Bidder or Proposer entering into one or more enforceable subcontracting agreements with one or more MBE and WBE; by the Bidder or Proposer establishing and carrying out an enforceable mentor/protégé agreement with one or more MBE and WBE; by the Bidder or Proposer actively engaging the Indirect Participation of one or more MBE and WBE in other aspects of its business; or by any combination of the foregoing, so long as the Utilization Plan evidences a commitment to meet the MBE and WBE Contract goals set forth in (B) above, as approved by the Office of Contract Compliance.

GC-19 MINORITY AND WOMEN BUSINESS ENTERPRISES
COOK COUNTY ORDINANCE CHAPTER 34, DIVISION 8 SECTION 34-260 to
SECTION 34-300 (con't.)

- D. A single Person, as defined in the Procurement Code, may not be utilized as both an MBE and a WBE on the same Contract, whether as a contractor, subcontractor or supplier.
- E. Unless specifically waived in the Bid or Proposal Documents, this General Condition, GC-19; the Ordinance; and the policies and procedures promulgated thereunder shall govern. If there is a conflict between this GC-19 and the Ordinance or the policies and procedures, the Ordinance shall control.
- F. A Contractor's failure to carry out its commitment regarding MBE and WBE participation in the course of the Contract's performance may constitute a material breach of the Contract. If such breach is not appropriately cured, it may result in withholding of payments under the Contract, contractual penalties, disqualification and any other remedy provided for in Division 4 of the Procurement Code at law or in equity.

II. REQUIRED BID OR PROPOSAL SUBMITTALS

A Bidder or Proposer shall document its commitment to meeting the Contract specific MBE and WBE participation goals by submitting a Utilization Plan with the Bid or Proposal. The Utilization Plan shall include (1) one or more Letter(s) of Intent from the relevant MBE and WBE firms; and (2) current Letters of Certification as an MBE or WBE. Alternatively, the Bidder or Proposer shall submit (1) a written Petition for Reduction/Waiver with the Bid, Quotation or Proposal, which documents its preceding Good Faith Efforts and an explanation of its inability to meet the goals for MBE and WBE participation. The Utilization Plan shall be submitted at the time that the bid or proposal is due. **Failure to include a Utilization Plan will render the submission not Responsive and shall be cause for the CPO to reject the Bid or Proposal.**

GC-19 MINORITY AND WOMEN BUSINESS ENTERPRISES
COOK COUNTY ORDINANCE CHAPTER 34, DIVISION 8 SECTION 34-260 to
SECTION 34-300 (con't.)

A. MBE/WBE Utilization Plan

Each Bid or Proposal shall include a complete Utilization Plan, as set forth on Form 1 of the M/WBE Compliance Forms. The Utilization Plan shall include the name(s), mailing address, email address, and telephone number of the principal contact person of the relevant MBE and WBE firms. If the Bidder or Proposer submits a Bid or Proposal, and any of their subcontractors, suppliers or consultants, are certified MBE or WBE firms, they shall be identified as an MBE or WBE within the Utilization Plan.

1. Letter(s) of Intent

Except as set forth below, a Bid or Proposal shall include, as part of the Utilization Plan, one or more Letter(s) of Intent, as set forth on Form 2 of the M/WBE Compliance Forms, executed by each MBE and WBE and the Bidder or Proposer. The Letter(s) of Intent will be used to confirm that each MBE and WBE shall perform work as a subcontractor, supplier, joint venture, or consultant on the Contract. Each Letter of Intent shall indicate whether and the degree to which the MBE or WBE will provide goods or services directly or indirectly during the term of the Contract. The box for direct participation shall be marked if the proposed MBE or WBE will provide goods or services directly related to the scope of the Contract. The box for Indirect participation shall be marked if the proposed MBE or WBE will not be directly involved in the Contract but will be utilized by the Bidder or Proposer for other services not related to the Contract. Indirect Participation shall not be counted toward the participation goal. Each Letter of Intent shall accurately detail the work to be performed by the relevant MBE or WBE firm, the agreed dollar amount, the percentage of work, and the terms of payment.

Failure to include Letter(s) of Intent will render the submission not Responsive and shall be cause for the CPO to reject the Bid or Proposal.

All Bids and Proposals must conform to the commitments made in the corresponding Letter(s) of Intent, as may be amended through change orders. The Contract Compliance Director may at any time request supplemental information regarding Letter(s) of Intent, and such information shall be furnished if the corresponding Bid or Proposal is to be deemed responsive.

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2. Letter(s) of Certification

Only current Letter(s) of Certification from one of the following entities may be accepted as proof of certification for MBE/WBE status, provided that Cook County's requirements for certification are met:

- County of Cook
- City of Chicago

Persons that are currently certified by the City of Chicago in any area other than Construction/Public Works shall also complete and submit a MBE/WBE Reciprocal Certification Affidavit along with a current letter of certification from the City of Chicago. This Affidavit form can be downloaded from www.cookcountyil.gov/contractcompliance.

The Contract Compliance Director may reject the certification of any MBE or WBE on the ground that it does not meet the requirements of the Ordinance, or the policies and rules promulgated thereunder.

3. Joint Venture Affidavit

In the event a Bid or Proposal achieves MBE and/or WBE participation through a Joint Venture, the Bid or Proposal shall include the required Joint Venture Affidavit, which can be downloaded from www.cookcountyil.gov/contractcompliance. The Joint Venture Affidavit shall be submitted with the Bid or Proposal, along with current Letter(s) of Certification.

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B. Petition for Reduction/Waiver

In the event a Bid or Proposal does not meet the Contract specific goals for MBE and WBE participation, the Bid or Proposal shall include a Petition for Reduction/Waiver, as set forth on Form 3. The Petition for Reduction/Waiver shall be supported by sufficient evidence and documentation to demonstrate the Bidder or Proposer's Good Faith Efforts in attempting to achieve the applicable MBE and WBE goals, and its inability to do so despite its Good Faith Efforts.

Failure to include Petition for Reduction/Waiver will render the submission not Responsive and shall be cause for the CPO to reject the Bid or Proposal.

III. REDUCTION/WAIVER OF MBE/WBE GOALS

A. Granting or Denying a Reduction/Waiver Request.

1. The adequacy of the Good Faith Efforts to utilize MBE and WBE firms in a Bid or Proposal will be evaluated by the CCD under such conditions as are set forth in the Ordinance, the policies and rules promulgated thereunder, and in the "Petition for Reduction/Waiver of MBE/WBE Participation Goals" – Form 3 of the M/WBE Compliance Forms.
2. With respect to a Petition for Reduction/Waiver, the sufficiency or insufficiency of a Bidder or Proposer's Good Faith Efforts shall be evaluated by the CCD as of the date upon which the corresponding Bid or Proposal was due.
3. The Contract Compliance Director or his or her duly authorized Waiver Committee may grant or deny the Petition for Reduction/Waiver based upon factors including but not limited to: (a) whether sufficient qualified MBE and WBE firms are unavailable despite good faith efforts on the part of the Bidder or Proposer; (b) the degree to which specifications and the reasonable and necessary requirements for performing the Contract make it impossible or economically infeasible to divide the Contract into sufficiently small tasks or quantities so as to enable the Bidder or Proposer to utilize MBE and WBE firms in accordance with the applicable goals; (c) the degree to which

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the prices or prices required by any potential MBE or WBE are more than 10% above competitive levels; and (d) such other factors as are determined relevant by the Contract Compliance Director or the duly authorized Waiver Committee.

4. If the Contract Compliance Director or the duly authorized Waiver Committee determines that the Bidder or Proposer has not demonstrated sufficient Good Faith Efforts to meet the applicable MBE and WBE goals, the Contract Compliance Director or the duly authorized Waiver Committee may deny a Petition for Reduction/Waiver, declare the Bid or Proposal non-responsive, and recommend rejection of the Bid, Quotation, or Proposal.

IV. CHANGES IN CONTRACTOR'S UTILIZATION PLAN

- A. A Contractor, during its performance of the Contract, may not change the original MBE or WBE commitments specified in the relevant Utilization Plan, including but not limited to, terminating a MBE or WBE Contract, reducing the scope of the work to be performed by a MBE/WBE, or decreasing the price to a MBE/WBE, except as otherwise provided by the Ordinance and according to the policies and procedures promulgated thereunder.
- B. Where a Person listed under the Contract was previously considered to be a MBE or WBE but is later found not to be, or work is found not to be creditable toward the MBE or WBE goals as stated in the Utilization Plan, the Contractor shall seek to discharge the disqualified enterprise, upon proper written notification to the Contract Compliance Director, and make every effort to identify and engage a qualified MBE or WBE as its replacement. Failure to obtain an MBE or WBE replacement within 30 business days of the Contract Compliance Director's written approval of the removal of a purported MBE or WBE may result in the termination of the Contract or the imposition of such remedy authorized by the Ordinance, unless a written Petition for Reduction/Waiver is granted allowing the Contractor to award the work to a Person that is not certified as an MBE or WBE.

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V. NON-COMPLIANCE

If the CCD determines that the Contractor has failed to comply with its contractual commitments or any portion of the Ordinance, the policies and procedures promulgated thereunder, or this GC-19, the Contract Compliance Director shall notify the Contractor of such determination and may take any and all appropriate actions as set forth in the Ordinance or the policies and procedures promulgated thereunder which includes but is not limited to disqualification, penalties, withholding of payments or other remedies in law or equity.

VI. REPORTING/RECORD-KEEPING REQUIREMENTS

The Contractor shall comply with the reporting and record-keeping requirements in the manner and time established by the Ordinance, the policies and procedure promulgated thereunder, and the Contract Compliance Director. Failure to comply with such reporting and record-keeping requirements may result in a declaration of Contract default. Upon award of a Contract, a Contractor shall acquire and utilize all Cook County reporting and record-keeping forms and methods which are made available by the Office of Contract Compliance. MBE and WBE firms shall be required to verify payments made by and received from the prime contractor.

VII. EQUAL EMPLOYMENT OPPORTUNITY

Compliance with MBE and WBE requirements will not diminish or supplant other legal Equal Employment Opportunity and Civil Rights requirements that relate to contractor and subcontractor obligations.

Any questions regarding this section should be directed to:

Contract Compliance Director
Cook County
118 North Clark Street, Room 1020
Chicago, Illinois 60602
(312) 603-5502

GC-20 MATERIAL DATA SAFETY SHEET

Where required under the Illinois "Toxic Substance Disclosure to Employees Act", Illinois Compiled Statutes, 820 ILCS 255/1, Contractor shall submit with each delivery of Contract goods, equipment or supplies a Material Safety Data Sheet.

GC-21 CONDUCT OF THE CONTRACTOR

The Contractor agrees to inform the County on a timely basis of all of the Contractor's interests, if any, which are or which the Contractor reasonably believes may be incompatible with any interest of the County. The Contractor shall take notice of and comply with the Cook County Lobbyist Registration Ordinance, Section 2-621 et al., Cook County Code. The Contractor shall not use for personal gain or make other improper use of privileged information which is acquired in connection with the Contract.

GC-22 ACCIDENT REPORTS

The Chief Procurement Officer and Director shall be given written notification within twenty-four (24) hours of any occurrence, on the site or otherwise, which pertains in any way to the performance of this Contract and involves the Contractor's personnel, or those of any of his subcontractors or others whether said occurrence be in the nature of bodily injury to employees or third parties or property damage.

The report shall include the name of person(s) injured, name of his employer, date, time and location of occurrence, extent of injury and/or damage, name(s) of eyewitnesses, and who treated the person(s) for injuries sustained, and such other information as may be relevant. The Contractor shall notify the local police of any occurrence requiring an official police record. The accident report should indicate whether the police were notified and, if so, the number of the police report.

GC-23 USE OF PREMISES

Contractor shall confer with the Director to ascertain full knowledge of all rules and regulations of the County facilities relative to this Contract and shall comply therewith. The Contractor shall confine the operations of its employees to the limits indicated by laws, ordinances, permits and/or direction of the Director and shall not encumber the premises with materials or debris. The Contractor shall not load or permit any part of the structure to be loaded with a weight that will endanger its structural integrity.

The County reserves the right to prohibit any person from entering any County facility for any reason. All subcontractors, agents and employees of the Contractor shall be accountable to the Director while on any County property and shall abide by all security regulations imposed by the County.

GC-24 **GENERAL NOTICE**

All notices required pursuant to this Contract shall be in writing and addressed to the parties at their respective addresses set forth below. All such notices shall be deemed duly given if hand delivered or if deposited in the United States mail, registered or certified, return receipt requested. Notice as provided herein does not waive service of summons or process.

TO THE COUNTY:

Chief Procurement Officer
County of Cook
Room 1018 County Building
118 North Clark Street
Chicago, Illinois 60602
(Reference County Contract Number)

TO THE CONTRACTOR:

At address provided on the Execution Pages or as otherwise indicated in writing to County Chief Procurement Officer in a written document which, in bold face type, references the name of the Consultant, the County Contract Number and states "NOTIFICATION OF CHANGE IN ADDRESS."

GC-25 **TERMINATION FOR CONVENIENCE**

The County may terminate this Contract, or any portion, at any time by notice in writing from the County to the Contractor. Unless otherwise stated in the notice, the effective date of such termination shall be three business days after the date the notice of termination is mailed by the County. If the County elects to terminate the Contract in full, unless otherwise specified in the notice of termination, the Contractor shall immediately cease performance and shall promptly tender to the County all work products, reviews, recommendations, reports, documents and analyses, whether completed or in process. If the County elects to terminate the Contract in part, unless otherwise specified in the notice of partial termination, the Contractor shall immediately cease performance of those portions of the Contract which are terminated and shall promptly tender to the County all work products, reviews, recommendations, reports, documents and analyses relating to said portions of the Contract, whether completed or in process. Contractor shall refrain from incurring any further costs with respect to portions of the Contract which are terminated except as specifically approved by the Chief Procurement Officer. The Contractor shall not invoice the County for any goods, equipment, supplies or services provided after the effective date of termination.

GC-26 GUARANTEES AND WARRANTIES

Unless otherwise stated herein, all guarantees and warranties required shall be furnished by the Contractor and shall be delivered to the Director before final payment on the Contract is issued. The Contractor agrees that the Contract goods, equipment, supplies or services to be furnished shall be covered by the most favorable commercial warranties the Contractor gives to any customer for the same or substantially similar Contract goods, equipment, supplies or services and that the rights and remedies so provided are in addition to and do not limit any rights afforded to County.

GC-27 STANDARD OF CONTRACT GOODS, EQUIPMENT OR SUPPLIES

Only new, originally manufactured Contract goods, equipment or supplies will be accepted by the County. The County will not accept any Contract goods, equipment or supplies that have been refurbished, rebuilt, restored or renovated in any manner. In addition, experimental materials will not be acceptable. Contract goods, equipment or supplies not produced by regular production methods and/or which have not been offered for sale to the public through accepted industry trade channels for a reasonable period of time prior to the offering of the proposal, will be considered experimental.

GC-28 CONFIDENTIALITY AND OWNERSHIP OF DOCUMENTS

Contractor acknowledges and agrees that information regarding this Contract is confidential and shall not be disclosed, directly, indirectly or by implication, or be used by Contractor in any way, whether during the term of this Contract or at any time thereafter, except solely as required in the course of Contractor's performance of the Contract. Contractor shall comply with the applicable privacy laws and regulations affecting the County and will not disclose any of County's records, materials, or other data to any third party. Contractor shall not have the right to compile and distribute statistical analyses and reports utilizing data derived from information or data obtained from County without the prior written approval of County. In the event such approval is given, any such reports published and distributed by Contractor shall be furnished to County without charge.

All documents, data, studies, reports, work product or product created as a result of the performance of this Contract shall be the property of the County of Cook. It shall be a breach of this Contract for the Contractor to reproduce or use, any documents, data, studies, report, work product or product obtained from the County of Cook or created hereby for its own purposes or to be copied and used by any third party. During the performance of the services herein provided for, the Contractor shall be responsible of any loss or damage to the County's documents while they are in the Contractor's possession, and any such document lost or damaged shall be restored at the expense of the Contractor.

GC-29 QUANTITIES

The quantities of materials required for the performance of the Contract are estimates for the purpose of determining an approximate total Contract amount and may not be the actual quantities required during the term of the Contract. The County reserves the right to increase or decrease the quantities at the Contract price, to correspond to the actual needs of the County. The County will be obligated to order and pay for only such quantities as are from time to time ordered, delivered, and accepted on purchase orders issued by the Chief Procurement Officer.

GC-30 AUDIT; EXAMINATION OF RECORDS

The Contractor agrees that the Cook County Auditor or any of its duly authorized representatives shall, until expiration of three (3) years after the final payment under the Contract, have access and the right to examine any books, documents, papers, canceled checks, bank statements, purveyor's and other invoices, and records of the Contractor related to the Contract, or to Contractor's compliance with any term, condition or provision thereof. The Contractor shall be responsible for establishing and maintaining records sufficient to document the costs associated with performance under the terms of this Contract.

The Contractor further agrees that it shall include in all of its subcontracts hereunder a provision to the effect that the subcontractor agrees that the Cook County Auditor or any of its duly authorized representatives shall, until expiration of three (3) years after final payment under the subcontract, have access and the right to examine any books, documents, papers, canceled checks, bank statements, purveyor's and other invoices and records of such subcontractor involving transactions relating to the subcontract, or to such subcontractor's compliance with any term, condition or provision thereunder or under the Contract.

In the event the Contractor receives payment under the Contract, reimbursement for which is later disallowed by the County, the Contractor shall promptly refund the disallowed amount to the County on request, or at the County's option, the County may credit the amount disallowed from the next payment due or to become due to the Contractor under any contract with the County.

GC-31 GOVERNING LAW

This Contract shall be governed by and construed under the laws of the State of Illinois. The Contractor irrevocably agrees that, subject to the County's sole and absolute election, any action or proceeding in any way, manner or respect arising out of the Contract, or arising from any dispute or controversy in connection with or related to the Contract, shall be litigated only in courts within the Circuit Court of Cook County, State of Illinois, and the Contractor consents and submits to the jurisdiction thereof. In accordance with these provisions, Contractor waives any right it may have to transfer or change the venue of any litigation brought against it by the County pursuant to this

Contract.

GC-32 COOPERATION WITH INSPECTOR GENERAL

Contractors, subcontractors, licensees, grantees or persons or businesses who have a County contract, grant, license, or certification of eligibility for County contracts shall abide by all of the applicable provisions of the Office of the Independent Inspector General Ordinance (Section 2-281 et. seq. of the Cook County Code of Ordinances). Failure to cooperate as required may result in monetary and/or other penalties.

GC-33 WAIVER

No term or provision of this Contract shall be deemed waived and no breach consented to unless such waiver or consent shall be in writing and signed by the party claimed to have waived or consented. The waiver of any such provision shall be strictly limited to the identified term or provision.

GC-34 ENTIRE CONTRACT

It is expressly agreed that the provisions set forth in this Contract constitute all the understandings and agreements between the parties. Any prior agreements, promises, negotiations, or representations not expressly set forth in this Contract are of no force and effect.

GC-35 FORCE MAJEURE

Neither Contractor nor County shall be liable for failing to fulfill any obligation under this Contract if such failure is caused by an event beyond such party's reasonable control and which is not caused by such party's fault or negligence. Such events shall be limited to acts of God, acts of war, fires, lightning, floods, epidemics, or riots.

GC-36 GOVERNMENTAL JOINT PURCHASING AGREEMENT

Pursuant to Section 4 of the Illinois Governmental Joint Purchasing Act (30 ILCS 525) and the Joint Purchase Agreement approved by the Cook County Board of Commissioners (April 9, 1965), other units of government may purchase goods, supplies, equipment or services under this Contract.

In the event that other agencies participate in a joint procurement, the County reserves the right to renegotiate the price to accommodate the larger volume.

GC-37 COMPARABLE GOVERNMENT PROCUREMENT

As permitted by the County of Cook, other government entities, if authorized by law, may wish to also purchase the goods, supplies, services or equipment under the same terms and conditions contained in this Contract (i.e., comparable government procurement). Each entity wishing to reference this Contract must have prior authorization from the County of Cook and the Contractor. If such participation is authorized, all purchase orders will be issued directly from

and shipped directly to the entity requiring the goods, supplies, equipment or services. The County shall not be held responsible for any orders placed, deliveries made or payment for the goods, supplies, equipment or services ordered by these entities. Each entity reserves the right to determine the amount of goods, supplies, equipment or services it wishes to purchase under this Contract.

GC-38 FEDERAL CLAUSES

The following provisions apply to all Contracts which are funded in whole or in part with federal funds.

1. Interest of Members of or Delegates to the United States Congress

In accordance with 41 U.S.C. § 22, the Contractor agrees that it will not admit any member of or delegate to the United States Congress to any share or part of the Contract or any benefit derived therefrom.

2. False or Fraudulent Statements and Claims

- (a) The Contractor recognizes that the requirements of the Program Fraud Civil Remedies Act of 1986, as amended, 49 U.S.C. §§ 3081 et seq and U.S. DOT regulations, "Program Fraud Civil Remedies," 49 C.F.R. Part 31, apply to its actions pertaining to the Contract. Accordingly, by signing the Contract, the Contractor certifies or affirms the truthfulness and accuracy of any statement it has made, it makes, or it may make pertaining to the Contract, including without limitation any invoice for its services. In addition to other penalties that may be applicable, the Contractor also acknowledges that if it makes a false, fictitious, or fraudulent claim, statement, submission, or certification, the Federal Government reserves the right to impose the penalties of the Program Fraud Civil Remedies Act of 1986, as amended, on the Contractor to the extent the Federal Government deems appropriate.

GC-38 **FEDERAL CLAUSES (con't.)**

- (b) The Contractor also acknowledges that if it makes a false, fictitious, or fraudulent claim, statement, submission, or certification to the County or Federal Government in connection with an urbanized area formula project financed with Federal assistance authorized by 49 U.S.C. § 5307, the Government reserves the right to impose on the Contractor the penalties of 18 U.S.C. § 1001 and 49 U.S.C. § 5307(n)(1), to the extent the Federal Government deems appropriate.

3. **Federal Interest in Patents**

- (a) General. If any invention, improvement, or discovery of the Contractor is conceived or first actually reduced to practice in the course of or under the Contract, and that invention, improvement, or discovery is patentable under the laws of the United States of America or any foreign country, the Contractor agrees to notify County immediately and provide a detailed report.
- (b) Federal Rights. Unless the Federal Government later makes a contrary determination in writing, the rights and responsibilities of the County, Contractor, and the Federal Government pertaining to that invention, improvement, or discovery will be determined in accordance with applicable Federal laws and regulations, including any waiver thereof. Unless the Federal Government later makes a contrary determination in writing, the Contractor agrees that, irrespective of its status or the status of any subcontractor at any tier (e.g., a large business, small business, non-profit organization, institution of higher education, individual), the Contractor agrees it will transmit to the Federal Government those rights due the Federal Government in any invention resulting from the contract.

4. **Federal Interest in Data and Copyrights**

- (a) Definition. The term "subject data" used in this section means recorded information, whether or not copyrighted, that is delivered or specified to be delivered under the Contract. Examples include, but are not limited, to: computer software, engineering drawings and associated lists, specifications, standards, process sheets, manuals, technical reports, catalog item identifications, and related information. The term "subject data" does not include financial reports, cost analyses, and similar information incidental to Contract administration.
- (b) Federal Restrictions. The following restrictions apply to all subject data first produced in the performance of the Contract. Except as provided in the Contract

and except for its own internal use, the Contractor may not publish or publicly reproduce subject data in whole or in part, or in any manner or form, nor may the Contractor authorize others to do so, without the written consent of the County and the Federal Government, until such time as the Federal Government may have either released or approved the release of such data to the public.

- (c) Federal Rights in Data and Copyrights. In accordance with subparts 34 and 36 of the Common Rule, the County and the Federal Government reserve a royalty-free, non-exclusive and irrevocable license to reproduce, publish, or otherwise use, and to authorize others to use, for County or Federal Government purposes, the types of subject data described below. Without the copyright owner's consent, the County and Federal Government may not extend their license to other parties.
 - (1) Any subject data developed under the contract or subagreement financed by a federal Grant Agreement or Cooperative Agreement, whether or not a copyright has been obtained; and
 - (2) Any rights of copyright which the Contractor purchases ownership with Federal assistance.
- (d) Special Federal Rights for Planning Research and Development Projects. When the Federal Government provides financial assistance for a planning, research, development, or demonstration project, its general intention is to increase public knowledge, rather than limit the benefits of the project to participants in the project. Therefore, unless the Federal Government determines otherwise, the Contractor on a planning, research, development, or demonstration project agrees that, in addition to the rights in data and copyrights set forth above, the County or Federal Government may make available to any third party either a license in the copyright to the subject data or a copy of the subject data. If the project is not completed for any reason whatsoever, all data developed under the project will become subject data and will be delivered as the County or Federal Government may direct. This subsection, however, does not apply to adaptations of automatic data processing equipment or previously existing software programs for the County's use whose costs are financed with Federal transportation funds for capital projects.

GC-38 **FEDERAL CLAUSES (con't.)**

- (e) Hold Harmless. Unless prohibited by state law, upon request by the County or the Federal Government, the Contractor agrees to indemnify, save, and hold harmless the County and the Federal Government and their officers, agents, and employees acting within the scope of their official duties against any liability, including costs and expenses, resulting from any willful or intentional violation by the Contractor of proprietary rights, copyrights, or right of privacy, arising out of the publication, translation, reproduction, delivery, use, or disposition of any data furnished under the Contract. The Contractor will not be required to indemnify the County or Federal Government for any such liability arising out of the wrongful acts of employees or agents of the County or Federal Government.
- (f) Restrictions on Access to Patent Rights. Nothing contained in this section on rights in data will imply a license to the County or Federal Government under any patent or be construed as affecting the scope of any license or other right otherwise granted to the County or Federal Government under any patent.
- (g) Application on Materials Incorporated into Project. The requirements of Subsections 2, 3, and 4 of this Section do not apply to material furnished by the County and incorporated into the work.

5. Records and Audits

Contractor will deliver or cause to be delivered all documents (including but not limited to all Deliverables and supporting data, records, graphs, charts and notes) prepared by or for the County under the terms of this Agreement to the County promptly in accordance with the time limits prescribed in this Contract, and if no time limit is specified, then upon reasonable demand therefor or upon termination or completion of the Services hereunder. In the event of the failure by the Contractor to make such delivery, then and in that event, the Contractor will pay to County reasonable damages the County may sustain by reason thereof.

The County and the Federal Government will have the right to audit all payments made to the Contractor under this Agreement. Any payments to the Contractor which exceed the amount to which the Contractor is entitled under the terms of this Agreement will be subject to set-off.

The Contractor will keep and retain records relating to this Agreement and will make such records available to representatives of the County and the Federal Government,

GC-38 **FEDERAL CLAUSES (con't.)**

including without limitation the sponsoring federal agency, other participating agencies, and the Comptroller General of the United States, at reasonable times during the performance of this Agreement and for at least five years after termination of this Agreement for purposes of audit, inspection, copying, transcribing and abstracting.

No provision in this Agreement granting the County or the Federal Government a right of access to records is intended to impair, limit or affect any right of access to such records which the County or the Federal Government would have had in the absence of such provisions.

6. **Environmental Requirements**

The Contractor recognizes that many Federal and state laws imposing environmental and resource conservation requirements may apply to the Contract. Some, but not all, of the major Federal Laws that may affect the Contract include: the National Environmental Policy Act of 1969, as amended, 42 U.S.C. §§ 4321 et seq.; the Clean Air Act, as amended, 42 U.S.C. §§ 7401 et seq. and scattered sections of 29 U.S.C.; the Clean Water Act, as amended, scattered sections of 33 U.S.C. and 12 U.S.C.; the Resource Conservation and Recovery Act, as amended, 42 U.S.C. §§ 6901 et seq.; and the Comprehensive Environmental Response, Compensation, and Liability Act, as amended, 42 U.S.C. §§ 9601 et seq. The Contractor also recognizes that U.S. EPA, U.S. DOT and other agencies of the Federal Government have issued and are expected in the future to issue regulations, guidelines, standards, orders, directives, or other requirements that may affect the Contract. Thus, the Contractor agrees to adhere to, and impose on its subcontractors, any such Federal requirements as the Federal Government may now or in the future promulgate. Listed below are requirements of particular concern.

The Contractor acknowledges that this list does not constitute the Contractor's entire obligation to meet all Federal environmental and resource conservation requirements. The Contractor will include these provisions in all subcontracts.

GC-38 FEDERAL CLAUSES (con't.)

- (a) Environmental Protection. The Contractor agrees to comply with the applicable requirements of the National Environmental Policy Act of 1969, as amended, 42 U.S.C. §§ 4321 et seq. in accordance with Executive Order No. 12898, "Federal Actions to Address Environmental Justice in Minority Populations and Low-Income Populations," 59 Fed. Reg. 7629, Feb. 16, 1994; U.S. DOT statutory requirements on environmental matters at 49 U.S.C. § 5324(b); Council on Environmental Quality regulations on compliance with the National Environmental Policy Act of 1969, as amended, 40 C.F.R. Part 1500 et seq.; and U.S. DOT regulations, "Environmental Impact and Related Procedures," 23 C.F.R. Part 771 and 49 C.F.R. Part 622.
- (b) Air Quality. The Contractor agrees to comply with all applicable standards, orders, or regulations issued pursuant to the Clean Air Act, as amended, 42 U.S.C. §§ 7401 et seq. Specifically, the Contractor agrees to comply with applicable requirements of U.S. EPA regulations, "Conformity to State of Federal Implementation Plans of Transportation Plans, Programs, and Projects Developed, Funded or Approved Under Title 23 U.S.C. or the Federal Transit Act," 40 C.F.R. Part 51, Subpart T; and "Determining Conformity of Federal Actions to State or Federal Implementation Plans," 40 C.F.R. Part 93. The Contractor further agrees to report and require each subcontractor at any tier to report any violation of these requirements resulting from any Contract implementation activity to the County and the appropriate U.S. EPA Regional Office.
- (c) Clean Water. The Contractor agrees to comply with all applicable standards, orders, or regulations issued pursuant to the Federal Water Pollution Control Act, as amended, 33 U.S.C. §§ 1251 et seq. The Contractor further agrees to report and require each subcontractor at any tier to report any violation of these requirements resulting from any Contract implementation activity to the County and the appropriate U.S. EPA Regional Office.
- (d) List of Violating Facilities. The Contractor agrees that any facility to be used in the performance of the Contract or to benefit from the Contract will not be listed on the U.S. EPA List of Violating Facilities ("List"), and the Contractor will promptly notify the County if the Contractor receives any communication from the U.S. EPA that such a facility is under consideration for inclusion on the List.

GC-38 **FEDERAL CLAUSES (con't.)**

- (e) Preference for Recycled Products. To the extent practicable and economically feasible and to the extent that it does not reduce or impair the quality of the work, the Contractor agrees to use recycled products in performance of the Contract pursuant to U.S. Environment Protection Agency (U.S. EPA) guidelines at 40 C.F.R. Parts 247-253, which implement section 6002 of the Resource Conservation and Recovery Act, as amended, 42 U.S.C. § 6962.

7. No Exclusionary or Discriminatory Specifications

Apart from inconsistent requirements imposed by Federal statute or regulations, the Contractor agrees that it will comply with the requirements of 49 U.S.C. § 5323(h)(2) by refraining from using any Federal assistance to support subcontracts procured using exclusionary or discriminatory specifications.

8. Cargo Preference - Use of United States Flag Vessels

The Contractor agrees to comply with U.S. Maritime Administration regulations, "Cargo-Preference -- U.S. Flag Vessels," 49 C.F.R. Part 381, and to include the clauses required by those regulations, modified as necessary to identify the affected parties, in each subcontract or subagreement involving equipment, materials, or commodities suitable for transport by ocean vessel.

9. Fly America

Section 14.c of the Master Agreement states that if the contract or subcontracts may involve the international transportation of goods, equipment, or personnel by air, the contract must require Contractors and subcontractors at every tier to use U.S.-flag air carriers, to the extent service by these carriers is available. 49 U.S.C. 40118 and 4 C.F.R. Part 52.

10. No Federal Government Obligations to Third Parties

The Contractor agrees that, absent the Federal Government's express written consent, the Federal Government will not be subject to any obligations or liabilities to any contractor or any other person not a party to the Grant Agreement or Cooperative Agreement between the County and the Federal Government which is a source of funds for this Contract. Notwithstanding any concurrence provided by the Federal Government in or approval of any solicitation, agreement, or contract, the Federal Government continues to have no obligations or liabilities to any party, including the Contractor.

GC-38 **FEDERAL CLAUSES (con't.)**

11. Allowable Costs

Notwithstanding any compensation provision to the contrary, the Contractor's compensation under this Contract will be limited to those amounts which are allowable and allocable to the Contract in accordance

with OMB Circular A-87 and the regulations in 49 C.F.R. Part 18. To the extent that an audit reveals that the Contractor has received payment in excess of such amounts, the County may offset such excess payments against any future payments due to the Contractor and, if no future payments are due or if future payments are less than such excess, the Contractor will promptly refund the amount of the excess payments to the County.

12. Trade Restrictions

Contractor certifies that neither it nor any Subcontractor:

- (a) is owned or controlled by one or more citizens of a foreign country included in the list of countries that discriminate against U.S. firms published by the Office of the United States Trade Representative (USTR);
- (b) has knowingly entered into any contract or subcontract with a person that is a citizen or national of a foreign country on said list, nor is owned or controlled directly or indirectly by one or more citizens or nationals of a foreign country on said list;
- (c) will procure, subcontract for, or recommend any product that is produced in a foreign country on said list.

Unless the restrictions of this clause are waived by the Secretary of Transportation in accordance with 49 CFR 30.17, no Notice-to-Proceed will be issued to an entity who is unable to certify to the above. If Contractor knowingly procures or subcontracts for the supply of any product or service of a foreign country on said list for use on the project, the USDOT may direct, through the County, cancellation of the Contract at no cost to the Government.

GC-38 FEDERAL CLAUSES (con't.)

Further, Contractor agrees that it will incorporate this provision for certification without modification in each subcontract. Contractor may rely on the certification of a prospective Subcontractor unless it has knowledge that the certification is erroneous. Contractor will provide immediate written notice to the County if it learns that its certification or that of a Subcontractor was erroneous when submitted or has become erroneous by reason of changed circumstances. Each Subcontractor must agree to provide written notice to Contractor if at any time it learns that its certification was erroneous by reason of changed circumstances. Nothing contained in the foregoing will be construed to require establishment of a system of records in order to render, in good faith, the certification required by this provision.

The knowledge and information of the Contractor is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.

This certification concerns a matter within the jurisdiction of an agency of the United States of America and the making of a false, fictitious, or fraudulent certification may render the maker subject to prosecution under Title 18, United States Code, Section 100.

13. Contract Work Hours and Safety Standards Act

If applicable according to their terms, the Contractor agrees to comply and assures compliance with sections 102 and 107 of the Contract Work Hours and Safety Standards Act, as amended, 40 U.S.C. §§ 327 through 333, and implementing U.S. DOL regulations, "Labor Standards Provisions Applicable to Contracts Governing Federally Financed and Assisted Construction (also Labor Standards Provisions Applicable to Nonconstruction Contracts Subject to the Contract Work Hours and Safety Standards Act)," 29 C.F.R. Part 5; and U.S. DOL regulations, "Safety and Health Regulations for Construction," 29 C.F.R. Part 1926. In addition to other requirements that may apply:

- (a) In accordance with section of the Contract Work Hours and Safety Standards Act, as amended, 40 U.S.C. §§ 327 through 332, the Contractor agrees and assures that, for the Contract, the wages of every mechanic and laborer will be computed on the basis of a standard work week of 40 hours, and that each worker will be compensated for work exceeding the standard work week at a rate of not less than 1.5 times the basic rate of pay for all hours worked in excess of 40 hours in the work week. The Contractor agrees that determinations pertaining to these requirements will be made in accordance with applicable U.S. DOL regulations, "Labor Standards Provisions Applicable to Contracts Governing Federally Financed and Assisted Construction (also Labor Standards Provisions Applicable

GC-38 **FEDERAL CLAUSES (con't.)**

to Nonconstruction Contracts Subject to the Contract Work Hours and Safety Standards Act)," 29 C.F.R. Part 5.

- (b) In accordance with section 107 of the Contract Work Hours and Safety Standards Act, as amended, 40 U.S.C. § 333, the contractor agrees and assures that no laborer or mechanic working on a construction contract will be required to work in surroundings or under working conditions that are unsanitary, hazardous, or dangerous to his or her health and safety, as determined in accordance with U.S. DOL regulations, "Safety and Health Regulations for Construction," 29 C.F.R. Part 1926.

14. Veteran's Preference

In the employment of labor (except in executive, administrative, and supervisory positions), preference will be given to Vietnam-era veterans and disabled veterans. However, this preference may be given only where individuals are available and qualified to perform the work to which employment relates.

15. Copyright Ownership

Consultant and the County intend that, to the extent permitted by law, the Deliverables to be produced by Consultant at the County's instance and expense pursuant to this Agreement are conclusively deemed "works made for hire" within the meaning and purview of Section 101 of the United States Copyright Act, 17 U.S.C. §101 et seq. (the "Copyright Act"), and that the County will be the copyright owner of the Deliverables and of all aspects, elements and components of them in which copyright can subsist.

To the extent that any Deliverable does not qualify as a "work made for hire," Consultant irrevocably grants, conveys, bargains, sells, assigns, transfers and delivers to the County, its successors and assigns, all right, title and interest in and to the copyrights and all U.S. and foreign copyright registrations, copyright applications and copyright renewals for them, and other intangible, intellectual property embodied in or pertaining to the Deliverables prepared for the County under this Agreement, free and clear of any liens, claims or other encumbrances, to the fullest extent permitted by law. Consultant will execute all documents and perform all acts that the County may reasonably request in order to assist the County in perfecting its rights in and to the copyrights relating to the Deliverables, at the sole expense of the County.

GC-38 **FEDERAL CLAUSES (con't.)**

Consultant warrants to County, its successors and assigns, that on the date of transfer Consultant is the lawful owner of good and marketable title in and to the copyrights for the Deliverables and has the legal rights to fully assign them. Consultant further warrants that it has not assigned any copyrights nor granted any licenses, exclusive or nonexclusive, to any other party, and that it is not a party to any other agreements or subject to any other restrictions with respect to the Deliverables. Consultant warrants and represents that the Deliverables are complete and comprehensive, and the Deliverables are a work of original authorship.

16. Accessibility Compliance

If this Agreement involves design for construction, the Consultant warrants that all design documents produced or utilized under this Agreement and all construction or alterations undertaken under this Agreement will comply with all federal, state and local laws and regulations regarding accessibility standards for persons with disabilities or environmentally limited persons including, but not limited to, the following: the Americans with Disabilities Act of 1990, 42 U.S.C. § 12101 et seq. and the Americans with Disabilities Act Accessibility Guidelines for Buildings and Facilities ("ADAAG"); the Architectural Barriers Act, Pub. L. 90-480 (1968), and the Uniform Federal Accessibility Standards ("UFAS"); and the Illinois Environmental Barriers Act, 410 ILCS 25/1 et seq., and all regulations promulgated thereunder, see Illinois Administrative Code, Title 71, Chapter 1, Section 400.110. If the above standards are inconsistent, the Consultant must comply with the standard providing the greatest accessibility. Also, the Consultant must, prior to construction,

review the plans and specifications to insure compliance with the above referenced standards. If the Consultant fails to comply with the foregoing standards, the Consultant must perform again, at no expense, all services required to be re-performed as a direct or indirect result of such failure.

GC-38 FEDERAL CLAUSES (con't.)**17. Visual Rights Act Waiver**

The Consultant/Contractor waives any and all rights that may be granted or conferred under Section 106A and Section 113 of the United States Copyright Act, (17 U.S.C. § 101 et seq.) (the "Copyright Act") in any work of visual art that may be provided pursuant to this Agreement. Also, the Consultant/Contractor represents and warrants that the Consultant/Contractor has obtained a waiver of Section 106A and Section 113 of the Copyright Act as necessary from any employees and subcontractors, if any.

18. Equal Employment Opportunity

All contracts shall contain a provision requiring compliance with E.O. 11246, "Equal Employment Opportunity," as amended by E.O. 11375, "Amending Executive Order 11246 Relating to Equal Employment Opportunity," and as supplemented by regulations at 41 CFR part 60, "Office of Federal Contract Compliance Programs, Equal Employment Opportunity, Department of Labor."

19. Copeland "Anti-Kickback" Act (18 U.S.C. 874 and 40 U.S.C. 276c)

All contracts and subgrants in excess of \$2000 for construction or repair awarded by recipients and subrecipients shall include a provision for compliance with the Copeland "Anti-Kickback" Act (18 U.S.C. 874), as supplemented by Department of Labor regulations (29 CFR part 3, "Contractors and Subcontractors on Public Building or Public Work Financed in Whole or in Part by Loans or Grants from the United States"). The Act provides that each contractor or subrecipient shall be prohibited from inducing, by any means, any person employed in the construction, completion, or repair of public work, to give up any part of the compensation to which he is otherwise entitled. The recipient shall report all suspected or reported violations to the Federal awarding agency.

20. Davis-Bacon Act, as amended (40 U.S.C. 276a to a-7)

When required by Federal program legislation, all construction contracts awarded by the recipients and subrecipients of more than \$2000 shall include a provision for compliance with the Davis-Bacon Act (40 U.S.C. 276a to a-7) and as supplemented by Department of Labor regulations (29 CFR part 5, "Labor Standards Provisions Applicable to Contracts Governing Federally Financed and Assisted Construction").

Under this Act, contractors shall be required to pay wages to laborers and mechanics at a rate not less than the minimum wages specified in a wage determination made by the

Secretary of Labor. In addition, contractors shall be required to pay wages not less than once a week. The recipient shall place a copy of the current prevailing wage determination issued by the Department of Labor in each solicitation and the award of a contract shall be conditioned upon the acceptance of the wage determination. The recipient shall report all suspected or reported violations to the Federal awarding agency.

21. Contract Work Hours and Safety Standards Act (40 U.S.C. 327-333)

Where applicable, all contracts awarded by recipients in excess of \$2000 for construction contracts and in excess of \$2500 for other contracts that involve the employment of mechanics or laborers shall include a provision for compliance with Sections 102 and 107 of the Contract Work Hours and Safety Standards Act (40 U.S.C. 327-333), as supplemented by Department of Labor regulations (29 CFR part 5). Under Section 102 of the Act, each contractor shall be required to compute the wages of every mechanic and laborer on the basis of a standard work week of 40 hours. Work in excess of the standard work week is permissible provided that the worker is compensated at a rate of not less than 1 ½ times the basic rate of pay for all hours worked in excess of 40 hours in the work week. Section 107 of the Act is applicable to construction work and provides that no laborer or mechanic shall be required to work in surroundings or under working conditions which are unsanitary, hazardous or dangerous. These requirements do not apply to the purchases of supplies or materials or articles ordinarily available on the open market, or contracts for transportation or transmission of intelligence.

22. Rights to Inventions Made Under a Contract or Agreement

Contracts or agreements for the performance of experimental, developmental, or research work shall provide for the rights of the Federal Government and the recipient in any resulting invention in accordance with 37 CFR part 401, "Rights to Inventions Made by Nonprofit Organizations and Small Business Firms Under Government Grants, Contracts and Cooperative Agreements," and any implementing regulations issued by the awarding agency.

23. Clean Air Act (42 U.S.C. 7401 et seq.) and the Federal Water Pollution Control Act (33 U.S.C. 1251 et seq.), as amended

Contracts and subgrants of amounts in excess of \$100,000 shall contain a provision that requires the recipient to agree to comply with all applicable standards, orders or regulations issued pursuant to the Clean Air Act (42 U.S.C. 7401 et seq.) and the Federal Water Pollution Control Act as amended (33 U.S.C. 1251 et seq.). Violations shall be reported to the Federal awarding agency and the Regional Office of the Environmental

GC-38 **FEDERAL CLAUSES (con't.)**

Protection Agency (EPA).

24. Byrd Anti-Lobbying Amendment (31 U.S.C. 1352)

Contractors who apply or bid for an award of \$100,000 or more shall file the required certification. Each tier certifies to the tier above that it will not and has not used Federal appropriated funds to pay any person or organization for influencing or attempting to influence an officer or employee of any agency, a member of Congress, officer or employee of Congress, or an employee of a member of Congress in connection with obtaining any Federal contract, grant or any other award covered by 31 U.S.C. 1352. Each tier shall also disclose any lobbying with non-Federal funds that takes place in connection with obtaining any Federal award. Such disclosures are forwarded from tier to tier up to the recipient.

25. Debarment and Suspension (E.O.s 12549 and 12689)

No contract shall be made to parties listed on the General Services Administration's List of Parties Excluded from Federal Procurement or Nonprocurement Programs in accordance with E.O.s 12549 and 12689, "Debarment and Suspension." This list contains the names of parties debarred, suspended, or otherwise excluded by agencies, and contractors declared ineligible under statutory or regulatory authority other than E.O. 12549. Contractors with awards that exceed the small purchase threshold shall provide the required certification regarding its exclusion status and that of its principal employees.

GC-39 **CONTRACT INTERPRETATION**

Whenever the singular is used herein, the masculine, feminine and neuter gender shall be deemed to include the others. The headings of articles, paragraphs and sections in this Contract are included for convenience only and shall not be considered by either party in construing the meaning of this Contract. If any provision or clause of this Contract shall be held to be invalid, such provision or clause shall be deleted from the Contract and the Contract shall be construed to give effect to the remaining portions thereof.

GC-39 **CONTRACT INTERPRETATION (con't.)**

This Contract shall be interpreted and construed based upon the following order of precedence of component parts. Such order of precedence shall govern to resolve all cases of conflict, ambiguity or inconsistency.

1. Addenda, if any.
2. Special Conditions
3. Specification.
4. General Conditions.
5. Instruction to Bidders.
6. Legal Advertisement.
7. Bid Proposal.

END OF SECTION

CONTRACT NO: 1530-15039

EXHIBIT 1

Scope of Services and Price Proposal

CONTRACT NO: 1530-15039

Scope of Services

The Bureau of Human Resources may purchase up to 15,500 Access (Proximity) Cards from Johnson Controls, Inc ("Contractor") during the base term of this contract.

CONTRACT NO: 1530-15039

Price Proposal

JOHNSON CONTROLS PROPOSAL

Johnson Controls Inc.
1500 Huntington Drive
Columet City, IL 60409-5402
Tel: 219-765-8011
Fax: (219)-365-8087

To: Bureau of H.R.
118 N Clark
Chicago IL 60602

Date: September 16, 2015
Project: Access Cards
Location: Various

Attn: Nicole Riley

Work Proposed

Johnson Controls to provide 15,500 HID Corporate 1000 access cards with no magnetic stripe. Part number 1388LGMN format H52388. Price each is \$3.56 each.

Exclusions

None

The "Not to Exceed" price for this work is: \$55,180.00 , payable upon completion of the work.

This proposal is hereby accepted and
Johnson Controls is authorized to
proceed with the work; subject, however
to credit approval by Johnson Controls Inc.,
Milwaukee, Wisconsin.

This proposal is valid for the next
90 days

Rebecca Strisko
Bureau of H.R.
Rebecca Strisko
Signature
Name: Rebecca Strisko
Title: Deputy Bureau Chief
Date: 9/16/2015

Johnson Controls Inc.
Timothy Stodniarz
Signature
Name: Timothy Stodniarz
Title: Service Representative
Date: September 16, 2015

CONTRACT NO: 1530-15039

EXHIBIT 2

Cook County Health And Hospitals System Contract No. H13-28-058

COMPANY GLN:

Purchase Order: 185700-0-SVC

ORIGINAL

STROGER HOSPITAL

Page: 1

Date: 07/06/13

SHIP TERMS:

FREIGHT: DESTINATION

SHIP VIA:

VENDOR: 489684-P20

SHIP TO:

COOK COUNTY HEALTH & HOSPITALS
SYSTEMJOHNSON CONTROLS INC
PO BOX 905240
CHARLOTTE NC 28290-5240STROGER HOSPITAL STOREROOM
1901 W. HARRISON
CHICAGO IL 60612

CONTACT:

CONTACT: CONTRACT SPECIALIST 6

PHONE: 847-502-7079

PHONE: 312-864-4724

FAX: 312-864-9227

FAX:

BUYER GLN:

DISCOUNT

TERMS

DAYS RATE NET ACCOUNT NUMBER

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+-----+
| Deliver on July 6, 2013 unless specified by line |
| Purchase Order Currency: US DOLLARS              |
|                                                    |
| Invoice by mail                                    |
| Process Level: 1                                  |
|                                                    |
| Bill To Address:                                  |
|                                                    |
| COOK COUNTY HEALTH & HOSPITALS                     |
| SYSTEM                                              |
| JOHN H. STROGER HOSPITAL                           |
| P.O. BOX 12950                                      |
| CHICAGO IL 60612                                   |
+-----+

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LINE	ITEM NUMBER DESCRIPTION	QUANTITY PRICE	EXTENDED AMOUNT
1	SECURITY SYSTEMS TESTING	12 MO	251,136.00
	SECURITY SYSTEMS TESTING	20,928.00	
	Item Detail: SECURITY SYSTEMS TESTING		
2	BUILDING AUTOMATION TESTING	12 MO	295,176.00
	BUILDING AUTOMATION TESTING	24,598.00	
	Item Detail: BUILDING AUTOMATION TESTING		
3	FIRE ALARM SYSTEM TESTING	12 MO	224,112.00
	FIRE ALARM SYSTEM TESTING	18,676.00	

COMPANY GLN:

Purchase Order: 185700-0-SVC

ORIGINAL

STROGER HOSPITAL

Page: 2

Date: 07/06/13

LINE	ITEM NUMBER DESCRIPTION	QUANTITY PRICE	EXTENDED AMOUNT
3	FIRE ALARM SYSTEM TESTING FIRE ALARM SYSTEM TESTING Item Detail: FIRE ALARM SYSTEM TESTING	Continued	
4	FANTUS CLINIC FIRE ALARM TEST FANTUS CLINIC FIRE ALARM TEST Item Detail: FANTUS CLINIC FIRE ALARM TEST	12 MO 1,482.00	17,784.00
5	FANTUS MRI BLDG FIRE ALARM TEST FANTUS MRI BLDG FIRE ALARM Item Detail: FANTUS MRI BLDG FIRE ALARM TEST	12 MO 119.00	1,428.00
6	CORE CENTER BLDG FIRE ALARM CORE CENTER BLDG FIRE ALARM Vendor Item Number: CORE CENTER BLDG FIRE ALARM TEST Vendor Item Desc: Item Detail: CORE CENTER BLDG FIRE ALARM	12 MO 1,189.00	14,268.00
7	ADMIN BLDG FIRE ALARM TEST ADMIN BLDG FIRE ALARM TEST Vendor Item Number: ADMIN BLDG FIRE ALARM TESTING Vendor Item Desc: Item Detail: ADMIN BLDG FIRE ALARM TEST	12 MO 1,355.00	16,260.00
8	HEKTOEN BLDG FIRE ALARM TEST HEKTOEN BLDG FIRE ALARM TEST Vendor Item Number: HEKTOEN BLDG FIRE ALARM TESTING Vendor Item Desc: Item Detail: HEKTOEN BLDG FIRE ALARM TEST	12 MO 711.00	8,532.00
9	DURAND BLDG FIRE ALARM TEST DURAND BLDG FIRE ALARM TEST Vendor Item Number: DURAND BLDG FIRE ALARM TESTING Vendor Item Desc: Item Detail: DURAND BLDG FIRE ALARM TEST	12 MO 711.00	8,532.00
10	12KV BLDG FIRE ALARM TEST 12KV BLDG FIRE ALARM SYSTEM Vendor Item Number: 12KV BLDG FIRE ALARM SYSTEM TEST Vendor Item Desc: Item Detail: 12KV BLDG FIRE ALARM TEST	12 MO 150.00	1,800.00
11	HOSPITAL FIRE SHUTTER DOORS HOSPITAL FIRE SHUTTER DOORS Vendor Item Number: HOSPITAL FIRE SHUTTER DOORS TEST Vendor Item Desc:	12 MO 2,435.00	29,220.00

COMPANY GLN:

Purchase Order: 185700-0-SVC

ORIGINAL

STROGER HOSPITAL

Page: 3

Date: 07/06/13

LINE	ITEM NUMBER DESCRIPTION	QUANTITY PRICE	EXTENDED AMOUNT
11	HOSPITAL FIRE SHUTTER DOORS Continued HOSPITAL FIRE SHUTTER DOORS Item Detail: HOSPITAL FIRE SHUTTER DOORS		
12	TWO-WAY RADIO SYSTEM TEST TWO-WAY RADIO SYSTEM TESTING Vendor Item Number: TWO-WAY RADIO SYSTEM TESTING Vendor Item Desc: Item Detail: TWO-WAY RADIO SYSTEM TEST	12 MO 1,828.00	21,936.00


Purchase Order Summary

Goods Total: 890,184.00

Order Total: 890,184.00

SERVICES, TESTING, MAINTENANCE AND REPAIR OF THE BUILDING
 AUTOMATION, SECURITY, FIRE ALARM SYSTEMS AND TWO-WAY RADIO
 TRANSMISSION SYSTEM
 AS PER CONTRACT NO. H13-28-058
 AUTHORIZED BY CCHHS 6/27/13
 AMOUNT AUTHORIZED \$5,382,623.75
 CONTRACT PERIOD 7/1/13 - 6/30/16
 REF RFP H13-0016
 JDE PO # 185700

End of Purchase Order: 185700-0-SVC


 DIRECTOR SUPPLY CHAIN MGMT

CONTRACT FOR SERVICE

DOCUMENT NO. H13-28-058



SERVICES, TESTING, MAINTENANCE AND REPAIR SERVICES FOR SECURITY SYSTEMS, BUILDING AUTOMATION SYSTEMS, FIRE ALARM SYSTEMS, TWO-WAY RADIO SYSTEM AND ELECTRICAL DISTRIBUTION EQUIPMENT FOR JOHN H. STROGER, JR. HOSPITAL OF COOK COUNTY

FOR

COOK COUNTY HEALTH AND HOSPITALS SYSTEM

WITH: JOHNSON CONTROLS, INC.

COUNTY OF COOK, ILLINOIS

ISSUED BY THE OFFICE OF SYSTEM SUPPLY CHAIN MANAGEMENT

REQ# 3897XXXX gl/0513

**CONTRACT FOR SERVICE
H13-28-058
PART I**

This Contract is made and entered into by and between Johnson Controls, Inc. (hereinafter "Contractor") and the County of Cook, Illinois, a body politic and corporate, (hereinafter "County") through its Cook County Health and Hospitals System (hereinafter "CCHHS") pursuant to authorization by the Cook County Health and Hospitals System Board of Directors on 6/27/13 as evidenced by the Board Transmittal attached hereto as Attachment 1.

WHEREAS, the County is responsible for procuring services for CCHHS and its Facilities, which provide services to the residents of Cook County, Illinois, and has delegated this responsibility to the Board of Directors of the CCHHS; and

WHEREAS, the CCHHS requires the following service: TESTING, MAINTENANCE AND REPAIR SERVICES FOR SECURITY SYSTEMS, BUILDING AUTOMATION SYSTEMS, FIRE ALARM SYSTEMS, TWO-WAY RADIO SYSTEM AND ELECTRICAL DISTRIBUTION EQUIPMENT FOR JOHN H. STROGER, JR. HOSPITAL OF COOK COUNTY

WHEREAS, the Contractor is able and willing to provide such Services, as required by the County, upon the terms and conditions hereinafter provided and in consideration of the fees as set forth herein.

NOW THEREFORE, in consideration of the premises and the mutual undertakings herein set forth, the parties agree as follows:

I. **WORK PROGRAM.** The Contractor agrees to provide the Services as set forth in Exhibit I, Special Conditions and Exhibit II, Specifications of this Contract, in accordance with the terms set forth in this Contract.

II. **CONTRACT PERIOD.** This Contract is effective for thirty-six (36) months subject to proper execution of the contract documents by the parties.

III. **PAYMENT.** The maximum amount payable to Contractor by the County shall not exceed the amount of \$5,382,623.75. The contract is not exclusive and CCHHS shall not be required to request any minimum volume of services. Contractor shall only be entitled to payment for services actually provided. The CCHHS reserves the right to reduce or increase the amount of the contract to reflect payment for the services requested by CCHHS in its discretion and provided by the contractor in accordance with the rates set forth in the contract. Invoices in triplicate on County Invoice Form 29A shall be submitted by the Contractor to the Using Department when requesting payment. The County shall have the right to examine the books of the Contractor for the purpose of auditing the same with reference to all charges made to the County.

IV. **GENERAL CONDITIONS.** This Contract incorporates and is subject to the provisions attached hereto as Part II - General Conditions, which is incorporated herein by reference.

V. **ATTACHMENTS (if applicable).** This Contract incorporates the following additional documentation:

Exhibit I: Special Conditions
Exhibit II: Specifications

Attachment 1: Board Transmittal
Attachment 2: Certifications and Execution Forms

VI. **ENTIRE AGREEMENT; ORDER OF PRECEDENCE.** This Contract consists collectively of Part I), Contract; Part II), General Conditions; Exhibit I, Exhibit II, Attachment 1 and Attachment 2. It is expressly agreed that the provisions set forth in this Contract constitute all the understandings and agreements between the parties. Any prior agreements, promises, negotiations, or representations not expressly set forth in this Contract are of no force and effect.

Wherever possible, the parts of this Contract shall be construed to be consistent with one another. However, if a conflict occurs, except as otherwise expressly provided, this Contract shall be interpreted and construed based upon the following order of precedence of component parts, which order of precedence shall govern to resolve all cases of conflict, ambiguity or inconsistency: 1.) Part I, Contract; 2.) Part II, General Conditions; and 3.) Exhibits and attachments

IN WITNESS WHEREOF, the parties have executed this Agreement as of the date countersigned by CCHHS.

Johnson Controls
("CONTRACTOR")

Robert G. Dean
Signature

ROBERT G. DEAN
Printed Name

Metro GM Service
Title

6/28/13
Date

PART II: GENERAL CONDITIONS

For purposes of these General Conditions, references to the "County" include the Cook County Health and Hospitals System ("CCHHS") and references to the "CCHHS" include the "County."

GC-01 SUBCONTRACTING OR ASSIGNMENT OF CONTRACT OR CONTRACT FUNDS

Once awarded, this Contract shall not be subcontracted or assigned, in whole or in part, without the advance written approval of the Cook County Health and Hospitals System ("CCHHS") Director of Supply Chain Management ("SCM Director"), SCM Director designee, in his or her sole discretion. In no case, however, shall such approval relieve the Contractor from its obligations or change the terms of the Contract. The Contractor shall not transfer or assign any Contract funds or any interest therein due or to become due without the advance written approval of the SCM Director. The unauthorized subcontracting or assignment of the Contract, in whole or in part, or the unauthorized transfer or assignment of any Contract funds, either in whole or in part, or any interest therein, which shall be due or are to become due the Contractor shall have no effect on the County and are null and void.

Prior to the commencement of the Contract, the Contractor shall identify in writing to the SCM Director the any and all subcontractors it intends to use in the performance of the Contract. The SCM Director shall have the right to disapprove any subcontractor. Identification of subcontractors to the SCM Director shall be in addition to any communications with County offices other than the SCM Director. All subcontractors shall be subject to the terms of this Contract. Contractor shall incorporate into all subcontracts all of the provisions of the Contract which affect such subcontract. Copies of subcontracts shall be provided to the SCM Director upon request.

The County reserves the right to prohibit any person from entering any County facility for any reason. All contractors and subcontractors of the Contractor shall be accountable to the Director of the Using Department or his designee while on any County property and shall abide by all rules and regulations imposed by the County.

GC-02 PERSONNEL

The quality, experience and availability of personnel employed by the Contractor is of the essence. The Contractor shall provide the County with a list of all key personnel to be used on the project and their designated assignment. The list shall include the qualifications of each person named. The County may at any time request, in writing, the Contractor to remove any of the Contractor's assigned personnel for cause and forthwith furnish to the County other acceptable personnel with thirty (30) days of notification. Notwithstanding the County's approval of Contractor's personnel, the Contractor shall be fully responsible to County for all work performed pursuant to this Contract by Contractor's employees, subcontractors or others who may be retained by the Contractor with the approval of the County. To the extent this Contract provides for Contractor to perform services for CCHHS, Contractor shall familiarize itself with the current Cook County Living Wage established by the County's Chief Financial Officer and shall document that employees assigned to provide services hereunder are paid not less than the applicable Cook County Living Wage. To the extent that Contractor's employees or subcontractor employees engage in construction hereunder, Contractor shall familiarize itself with the Illinois Prevailing Wage Act and shall document that employees assigned to perform construction hereunder are paid not less than the applicable Illinois Prevailing Wage. To the extent Contractor's employees or subcontractors will provide services that require an appointment to the Medical Staff and/or that require appropriate clinical privileges, Contractor shall assure that such appointments and/or privileges have been secured prior to permitting such persons to provide the subject services.

If the Services provided pursuant to this Contract are janitorial cleaning services, window cleaning services, elevator operator and starter services, and security services, they are considered "Covered Services" within the meaning of Cook County Ordinances, Section 34-163. In executing this contract, Contractor certifies all personnel assigned to provide Covered Services hereunder shall receive not less than the prevailing rate of wages, fringe benefits and prevailing working conditions, as defined hereunder. To satisfy the County's requirements, wages, fringe benefits and working conditions shall be no less favorable than those posted by the Chief of the Bureau of Human Resources on the County's website or, in the absence of information posted thereon, as posted on the website of the State Department of Labor. Contractor shall provide documentation in support of its certification as requested by the CCHHS.

GC-03 INSURANCE

Contractor shall purchase and maintain at all times during the term of this Contract insurance coverage which is satisfactory to the County and will satisfactorily insure the Contractor against claims and liabilities which arise or could arise because of the performance or nonperformance of the Contract. All insurance required hereunder shall meet the requirements of the CCHHS Department of Risk Management and shall name the County as an additional insured unless such designation is unavailable due to commercial practices in the insurance industry as to a particular type of coverage. Contractor shall deliver to the SCM Director satisfactory certificates evidencing compliance with this insurance provision prior to commencing performance under the Contract.

GC-04 INSPECTION AND RESPONSIBILITY

At any and at all times during the term of the Contract and at any location where the Contract is performed, the County shall have a right to inspect any goods and services ("Deliverables") provided in carrying out this Contract. The Contractor shall be solely responsible for the quality and standards of all Deliverables furnished under this Contract. Deliverables may be rejected by the SCM Director and/or the Designee of the Using Department if they fail to meet Contract requirements. In the event of such rejection, Deliverables shall be replaced and/or re-performed by the Contractor promptly and at no additional cost to the County. Any Deliverables rejected shall be removed within a reasonable time from the premises of the County at the entire expense of the Contractor, after notice has been given by the County to the Contractor that such Deliverables have been rejected. Deliverables shall be provided in a manner that complies with all applicable accreditation standards including, but not limited to, the Medicare Conditions of Participation and standards of The Joint Commission.

GC-05 INDEMNIFICATION

The Contractor covenants and agrees to indemnify and save harmless the County and its CCHHS, directors, commissioners, officials, employees, agents and representatives, and their respective heirs, successors and assigns, from and against any and all costs, expenses, attorneys' fees, losses, damages and liabilities incurred or suffered directly or indirectly from or attributable to any claims arising out of or incident to the performance or nonperformance of the Contract by the Contractor, or the acts or omissions of the officers, agents, employees, contractors, subcontractors, licensees or invitees of the Contractor. The Contractor expressly understands and agrees that any Performance Bond or insurance protection required of the Contractor, or otherwise provided by the Contractor, shall in no way limit the responsibility to indemnify the County as hereinabove provided.

GC-06 PAYMENT

All invoices submitted by the Contractor shall be in accordance with the cost provisions contained in the Contract Documents and shall contain a detailed description of the Deliverables for which payment is requested. Service contractors shall include itemized records indicating the dates that services were performed, a detailed description of the work performed on each date and the amount of time spent performing work on each date. If reimbursement of expenses is requested, Contractor shall submit documentation of the types and amounts of expenses incurred. All invoices shall comply with CCHHS invoicing forms and procedures. No payments shall be made if invoices fail to comply with the requirements of this paragraph. Contractor shall not be entitled to invoice the County for any late fees or other penalties.

GC-07 PREPAID FEES

In the event this Contract is terminated by either party, for cause or otherwise, and the County has prepaid for any Deliverables, Contractor shall refund to the County, on a prorated basis to the effective date of termination, all amounts prepaid for Deliverables not actually provided as of the effective date of the termination. The refund shall be made within fourteen (14) days of the effective date of termination.

GC-08 TAXES

Federal Excise Tax does not apply to materials purchased by the County by virtue of Exemption Certificate No. 36-75-0038K. Illinois Retailers' Occupation Tax, Use Tax and Municipal Retailers' Occupation Tax do not apply to deliverables, materials or services purchased by the County by virtue of statute. The price or prices quoted herein shall include any and all other federal and/or state, direct and/or indirect taxes which apply to this Contract. The County's State of Illinois Sales Tax Exemption Identification No. is E-9998-2013-05.

GC-09 PRICE REDUCTION

If at any time after the contract award, Contractor makes a general price reduction in the price of any of the Deliverables, the equivalent price reduction based on similar quantities and/or considerations shall apply to this Contract for the duration of the Contract period. For purposes of this Section GC-09, Price Reduction, a general price reduction shall include reductions in the effective price charged by Contractor by reason of rebates, financial incentives, discounts, value points or other benefits with respect to the purchase of the Deliverables. Such price reductions shall be effective at the same time and in the same manner as reductions Contractor makes in the price of the Deliverables to its prospective customers generally.

GC-10 CONTRACTOR CREDITS

To the extent the Contractor gives credits toward future purchases of goods or services, financial incentives, discounts, value points or other benefits based on the purchase of the materials or services provided for under this Contract, such credits belong to the County and not any specific using department. Contractor shall reflect any such credits on its invoices and in the amounts it invoices the County.

GC-11 DISPUTES

Any dispute arising under the Contract between the County and Contractor shall be decided by the SCM Director. The complaining party shall submit a written statement detailing the dispute and specifying the specific relevant Contract provision(s) to the SCM Director. Upon request of the SCM Director, the party complained against shall respond to the complaint in writing within five days of such request. The SCM Director will reduce his or her decision to writing and mail or otherwise furnish a copy thereof to the Contractor and the Director of the Using Department. The decision of the SCM Director will be final and binding. Dispute resolution as provided herein shall be a condition precedent to any other action at law or in equity. However, unless a notice is issued by the SCM Director indicating that additional time is required to review a dispute, the parties may exercise their contractual remedies, if any, if no decision is made within sixty (60) days following notification to the SCM Director of a dispute. No inference shall be drawn from the absence of a decision by the SCM Director. Notwithstanding a dispute, Contractor shall continue to discharge all its obligations, duties and responsibilities set forth in the Contract during any dispute resolution proceeding unless otherwise agreed to by the County in writing.

GC-12 DEFAULT

Contractor shall be in default hereunder in the event of a material breach by Contractor of any term or condition of this Contract including, but not limited to, a representation or warranty, where Contractor has failed to cure such breach within ten (10) days after written notice of breach is given to Contractor by the County, setting forth the nature of such breach. In the event Contractor shall breach any material terms or conditions of this Contract on more than one occasion during any twelve month period during the term hereof, or in the event Contractor expresses an unwillingness or inability to continue performing the Contract in accordance with its terms, the County may, at its option, declare the Contractor to be in default and the County shall be entitled to exercise all available remedies including, but not limited to, termination of the Contract, without affording the Contractor further opportunity to cure such breach. Failure of County to give written notice of breach to the Contractor shall not be deemed to be a waiver of the County's right to assert such breach at a later time, should the Contractor commit a subsequent breach of this Contract.

County shall be in default hereunder if any material breach of the Contract by County occurs which is not cured by the County within ninety (90) days after written notice has been given by Contractor to the County, setting forth the nature of such breach.

GC-13 COUNTY'S REMEDIES

Following notice of material breach to Contractor, the County reserves the right to withhold payments otherwise owed to Contractor until such time as Contractor has cured the breach. Except as extended in writing by the SCM Director, if the Contractor fails to remedy a material breach during the ten (10) day cure period pursuant to General Condition GC-12, Default, or if Contractor commits a subsequent material breach within a twelve month period or expresses an unwillingness or inability to continue performing the Contract in accordance with its terms, the County shall have the right to terminate this Contract upon written notice to the Contractor which shall set forth the effective date of such termination. In addition, the County shall have the right to pursue all remedies in law or equity.

GC-14 CONTRACTOR'S REMEDIES

If the County has been notified of breach and fails to remedy the breach during the ninety(90) day cure period pursuant to General Condition GC-12, Default, the Contractor shall have the right to terminate this Contract upon not less than thirty (30) days prior written notice to the County, which notice shall set forth the effective date of termination. Contractor shall have the right to pursue all remedies available in law or equity. In all cases the Contractor's damages shall be those actual provable damages not to exceed the amount of the Contract as awarded by the Board of Directors less all amounts paid to Contractor. In no event shall Contractor be entitled to any consequential damages. Irrespective of the exercise of remedies hereunder, Contractor shall not disrupt the County's operations or repossess any component thereof.

GC-15 DELAYS

Contractor agrees that no charges or claims for damages shall be made by Contractor for any delays or hindrances from any cause whatsoever during the progress of any portion of this Contract.

GC-16 MODIFICATIONS AND AMENDMENTS

The parties may from time to time during the term of the Contract make modifications and amendments to the Contract but only as provided in this section. Such modifications and amendments shall only be made by mutual agreement in writing.

The SCM Director may agree in writing to amend this Contract; provided that if such amendment individually or cumulatively increases the amount payable to Contractor to One Hundred Fifty Thousand (\$150,000) Dollars or more or, in the case of a Contract that was originally approved by the CCHHS Board, by more than ten per cent of the original maximum Contract amount, such amendment shall require the approval of the CCHHS Board of Directors. Similarly, amendments which extend the term of the Contract by one year or longer.

Subject to the foregoing, the Director of the Using Department may, by written order, make changes with respect to the dates of delivery and places of performance of the Contract, provided that any such changes shall not increase the Contract price or the time required for Contract performance. Contractor is hereby notified that, except for modifications and amendments which are made in accordance with this Section GC-16, Modifications and Amendments, no County department or employee thereof has authority to make any modification or amendment to this Contract.

GC-17 PATENTS, COPYRIGHTS AND LICENSES

Contractor shall furnish the CCHHS Chief Information Officer with all licenses required for the County to utilize any software, including firmware or middleware, provided by Contractor as part of the Deliverables. Such licenses shall be clearly marked with a reference to the number of this County Contract. Contractor shall also furnish a copy of such licenses to the SCM Director. Unless otherwise stated in these Contract documents, such licenses shall be perpetual and shall not limit the number of persons who may utilize the software on behalf of the County.

Contractor agrees to hold harmless and indemnify the County, its officers, agents, employees and affiliates from and defend, at its own expense (including reasonable attorneys', accountants' and consultants' fees), any suit or proceeding brought against County based upon a claim that the ownership and/or use of equipment, hardware and software or any part thereof provided to the County or utilized in performing Contractor's services constitutes an infringement of any patent, copyright or license or any other property right.

In the event the use of any equipment, hardware or software or any part thereof is enjoined, Contractor with all reasonable speed and due diligence shall provide or otherwise secure for County, at the Contractor's election, one of the following: the right to continue use of the equipment, hardware or software; an equivalent system having the Specifications as provided in this Contract; or Contractor shall modify the system or its component parts so that they become non-infringing while performing in a substantially similar manner to the original system, meeting the requirements of this Contract.

GC-18 CORPORATE COMPLIANCE

A. General. The Contractor shall observe and comply with all applicable accreditation standards as well as the laws, ordinances, regulations and codes of the Federal, State, County and other local government agencies which may in any manner affect the performance of the Contract including, but not limited to, those County Ordinances set forth in the Certifications attached hereto and incorporated herein. Assurance of compliance with this requirement by the Contractor's employees, agents or subcontractors shall be the responsibility of the Contractor.

B. Payment of Taxes and Fees. The Contractor shall secure and pay for all federal, state and local licenses, permits and fees required hereunder.

C. Corporate Compliance Program. Contractor understands that the CCHHS has adopted a Corporate Compliance Program and is committed to complying with all applicable laws, rules and regulations. Accordingly, Contractor shall comply with all laws, rules and regulations concerning the services or items furnished to the Hospital under this Agreement. In addition, Contractor shall cooperate fully with any review or investigation conducted by the CCHHS Chief Compliance Officer and shall bring to the attention of the Chief Compliance Officer, or designee, any alleged improper practices Contractor may discover in association with this Agreement so that the Compliance Officer may take appropriate action.

D. Debarment and Suspension Certification. As used in this paragraph c, the term "Principal" shall have the meaning set forth in 45 C.F.R. § 76.995 and shall include an officer, director, owner, partner, principal investigator, or other person having management or supervisory responsibilities related to a covered transaction. "Principal" also includes a consultant or other person, whether or not employed by the participant or paid with Federal funds, who: is in a position to handle Federal funds; is in a position to influence or control the use of those funds; or occupies a technical or professional position capable of substantially influencing the development or outcome of an activity required to perform the covered transaction. Other terms used in this paragraph D, such as *covered transaction*, *debarred*, *excluded*, *exclusion*, *ineligible*, *ineligibility*, *participant*, and *person* have the meanings set forth in the definitions and coverage rules of 45 C.F.R. Part 76 and other applicable federal regulations.

In executing this Contract, each of Contractor's authorized signatories certifies that, to the best of his or her knowledge and belief, the Contractor, its principals and any person employed or contracted by Contractor to provide Services:

- (1) Are not presently debarred, suspended, proposed for debarment, declared ineligible or voluntarily excluded from covered transactions by any governmental department or agency.
- (2) Have not, within a 3-year period preceding this proposal, been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State, or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property.
- (3) Are not presently indicted or otherwise criminally or civilly charged by a governmental entity (Federal, State, or local) with commission of any of the offenses enumerated in paragraph (b) of this certification.
- (4) Have not, within a 3-year period preceding this application/proposal, had one or more public transactions (Federal, State, or local) terminated for cause or default.

Contractor shall notify the County immediately in the event that it or anyone performing services under this Agreement (1) is convicted of a criminal offense related to health care and/or related to the provision of services paid for by Medicare, Medicaid or another federal health care program; or (2) is excluded or debarred from participation in any federal health care program, including Medicare and Medicaid. The County may terminate this Contract immediately upon the occurrence or notification of any of the above.

GC-19 MINORITY AND WOMEN BUSINESS ENTERPRISES

COOK COUNTY ORDINANCE CHAPTER 10-43.7 PROFESSIONAL AND CONSULTING

SERVICE AND SOLE SOURCE

I. POLICY AND GOALS

- A. It is the policy of the County of Cook to prevent discrimination in the award of or participation in the County contracts and to eliminate arbitrary barriers for participation, as both prime and subcontractors, in such

contracts by local businesses certified as Minority Business Enterprises (MBE) and Women- Owned Business Enterprises (WBE). In furtherance of this policy, the Cook County Board of Commissioners has adopted a Minority-and-Women-Owned Business Enterprise Ordinance (the "Ordinance") which establishes a "best efforts" goal of awarding not less than thirty-five percent (35%) of the annual total dollar amount of professional, service and supply contracts and agreements to certified MBEs and WBEs.

- B. A Contractor may achieve the MBE/WBE participation goals by its status as a MBE or WBE; by entering into a joint venture with one or more MBEs and/or WBEs; by subcontracting a portion of the work to one or more MBEs or WBEs; by entering into a Mentor-Protégé Agreement with a MBE or WBE; by the indirect participation of MBEs or WBEs in other aspects of the Contractor's business; or by a combination of the foregoing.
- C. A Waiver Request must be submitted, if applicable, documenting the inability of the Contractor to meet the goals, and providing written evidence of "Good Faith Efforts," to obtain goals.
- D. A Contractor's failure to carry out its MBE/WBE commitments in the course of performance on a contract shall constitute a material breach of the contract, and if such breach is not appropriately cured, may result in the termination of the contract or such other remedies authorized by the Ordinance as the County deems appropriate.

II. REQUIRED SUBMITTALS

To be considered responsive to the requirements of the Ordinance, a Contractor shall submit Items A, B and C listed below. All documentation submitted shall be reviewed by the Contract Compliance Administrator. Failure to submit one of the items required shall be cause to consider a contract non-responsive to the Ordinance goals and may be rejected.

- A. **MBE/WBE Participation Documentation:** Each Contractor shall submit supporting documentation which evidences efforts taken to achieve the County's "best efforts" MBE/WBE participation goals. Such documentation shall include:
 1. **A Utilization Plan** identifying all firms intended to be utilized to fulfill the goals; the MBE/WBE status of each firm; the name, address, e-mail address and telephone number of the contact person for each MBE/WBE firm; the dollar value of the goods and services to be provided by the MBE/WBE firm; and the dollar value expressed as a percentage (%) of the total value of the purposed contract. (See Section I)
 2. **A Letter of Intent** for each MBE/WBE containing specific information regarding goods to be provided or services to be performed by the MBE/WBE; the dollar value of the goods or services; and the original signatures of the appropriate officer for both the Contractor and the MBE/WBE. (See Exhibit II)
 3. **Current Letter of Certification** for each MBE/WBE firm. Acceptable certifying agencies are: Cook County, Illinois Unified Certification Program (IUCP) and U. S. Small Business Administration. (SBA) (8A) or any other governmental body or agency approved by the Contract Compliance Administrator as applying certification standards substantially similar to those applied by the County of Cook may also be accepted.
 4. **Waiver/Goal Reduction Petition**, if applicable, together with all documentation in support of the Petition.

The Contract Compliance Administrator retains the right to reject the certification of any MBE or WBE on the ground that it does not meet the County's definition of a MBE or WBE.

- B. **Use of MBE/WBE Professionals.** Each Contractor shall submit a statement which discloses how it intends to maximize the use of minority and women professionals in the course of performing the contract.
- C. **Affirmative Action Plan.** Each Contractor shall submit a copy of its current EEO-1 Report and a copy of its current Letter of Compliance from the United States Department of Labor, Office of Federal Contract Compliance Programs. Absent a Letter from OFCCP, the Contractor shall submit a written report of the inclusion of minority and women professional in the workforce of their company.

III. NON-COMPLIANCE

Where the County of Cook determines that the Contractor has failed to comply with its contractual commitments or any portion of the Ordinance, it will notify the Contractor of such non-compliance and may take any and all appropriate actions as set forth within the Ordinance.

IV. REPORTING/RECORD KEEPING REQUIREMENTS

The Contractor is required to comply with the reporting and record-keeping requirements as set forth in the Ordinance and as established by the Contract Compliance Administrator. Upon award of a contract, The

Contractor is responsible for acquiring all necessary Office of Contract Compliance reporting and record-keeping forms as made available in the Office of Contract Compliance.

The Office of Contract Compliance will notify each Contractor and Sub-Contractor upon award of a contract of their reporting obligations (Vendor Notification Letter). The Office of Contract Compliance will notify each MBE/WBE Sub-Contractor of the award of a contract to a Prime Contractor, the MBE/WBE dollar amount of participation and the percentage (%) amount of participation. The Sub-Contractors will be required to submit on a timely basis, Sub-Contractors Payment Affidavits (see forms section) with proof of payment or money paid to them by the Prime Contractor.

The Office of Contract Compliance requests payment affidavits and proof of payment to MBE/WBE Sub-Contractors as follows:

Annual Contracts: monthly reporting from both Prime and Sub-Contractors.

Multi Year Contracts: quarterly reporting from both Prime and Sub-Contractors including proof of payments.

One time purchases require verification of proof of payment **immediately**.

Failure to comply with this section will be reviewed as non-compliance as stated under Section III. Non-Compliance.

V. EQUAL EMPLOYMENT OPPORTUNITY

Compliance with MBE and WBE requirements will not diminish or supplant Equal Employment Opportunity and Civil Rights provisions as otherwise required by law as they relate to contractor and subcontractor obligations.

Any questions regarding this document should be directed to:
Administrator, Cook County Office of Contract Compliance
118 N. Clark Street – Room 1020
Chicago, Illinois 60602
(312) 603-5502

GC-20 MATERIAL SAFETY DATA SHEET

Where required under the Illinois "Toxic Substance Disclosure To Employees Act", Illinois Compiled Statutes, 2002, 820 ILCS 255/1, Contractor shall submit with each delivery of Deliverables, a Material Safety Data Sheet.

GC-21 CONDUCT OF THE CONTRACTOR

The Contractor agrees to inform the County on a timely basis of all of the Contractor's interests, if any, which are or which the Contractor reasonably believes may be incompatible with any interest of the County. In the event a significant conflict of interest is identified during the course of the engagement, the parties shall endeavor to reach a mutually agreeable plan regarding a resolution of the conflict so as to avoid an adverse consequence to the County, or shall modify or terminate the scope of services affected thereby. The Contractor shall take notice of and comply with the Cook County Lobbyist Registration Ordinance (No. 93-0-22, 6-22-93). Neither the Contractor nor any of its employees, agents or subcontractors shall use for business or personal gain, or make other improper use of, confidential information which is acquired in connection with the Contract.

GC-22 ACCIDENT REPORTS

Contractor shall provide the SCM Director and the Director of the Using Department with prompt written notification (no later than twenty-four (24) hours) of any occurrence, on County premises or otherwise, which pertains in any way to this Contract and which results in either bodily injury to employees or third parties or property damage. The report shall include the name of person(s) injured, if any; name of the injured person's employer, if any; the date, time and location of the occurrence; description of the extent of injury and/or damage; the name(s) of witnesses; the names of any providers known to have provided treatment for injuries sustained; and such other information as may be required by the County. The Contractor shall notify the local police regarding any occurrence requiring an official police record. The report submitted to the County should indicate whether the police were notified and, if so, the number of the police report.

GC-23 USE OF COUNTY PREMISES AND RESOURCES

Contractor shall confer with the Director of the Using Department(s) to ascertain full knowledge of all rules and regulations of the County facilities relative to this Contract and shall cause all of its employees, agents and subcontractors to comply therewith. The Contractor shall confine the operations of its employees, agents and subcontractors on County premises to the performance of the Contract consistent with limits indicated by laws, ordinances, permits and/or direction of the Director of the Using Department and shall not encumber the premises with materials or debris. In performing the Contract, the Contractor shall not cause or permit a condition that endangers the safety of others and shall not load or permit any part of a structure to be loaded with a weight that will endanger the safety of the structure or any persons.

GC-24 TERMINATION FOR CONVENIENCE AND SUSPENSION OF CONTRACT

The County may terminate this Contract, or any portion, at any time by notice in writing from the County to the Contractor. Unless otherwise stated in the notice, the effective date of such termination shall be three business days after the date the notice of termination is mailed by the County. If the County elects to terminate the Contract in full, unless otherwise specified in the notice of termination, the Contractor shall immediately cease performance and shall promptly tender to the County all Deliverables, whether completed or in process. If the County elects to terminate the Contract in part, unless otherwise specified in the notice of partial termination, the Contractor shall immediately cease performance of those portions of the Contract which are terminated and shall promptly tender to the County all Deliverables relating to said portions of the Contract, whether completed or in process. Contractor shall refrain from incurring any further costs with respect to portions of the Contract which are terminated except as specifically approved by the SCM Director.

If this contract is a multi-year contract, the following provision applies: This contract is subject to County Board approval of appropriations for the purpose of the subject contract; and that in the event funds are not appropriated by the County Board, or there is a change in services which results in the elimination of the services which are the subject of the contract, the contract shall be cancelled without penalty to, or further payment being required by, the System Board or the County. The System Board shall give the vendor notice of failure of funding or change in services as soon as practicable after the System Board becomes aware of the failure of funding. The System Board's or County's obligation to perform shall cease immediately upon receipt of notice to the vendor of lack of appropriated funds; and that the System Board's or County's obligation under the contract shall also be subject to immediate termination or cancellation at any time when there are not sufficient authorized funds lawfully available to the System Board to meet such obligation.

GC-25 GENERAL NOTICE

All notices required pursuant to this Contract shall be in writing and addressed to the parties at their respective addresses set forth below. All such notices shall be deemed duly given if hand delivered or if deposited in the United States mail, postage prepaid, registered or certified, return receipt requested. Notice as provided herein does not waive service of summons or process.

TO THE COOK COUNTY HEALTH AND HOSPITALS SYSTEM:
DIRECTOR, SUPPLY CHAIN MANAGEMENT

1901 West Harrison, Ste. 5360
Chicago, Illinois 606012

(Include County Contract Number in all notices)

TO THE CONTRACTOR:

At address provided on the Execution Pages or as otherwise indicated in writing to County Purchasing Agent in a written document which, in bold face type, references the name of the Contractor, the County Contract Number and states "NOTIFICATION OF CHANGE IN ADDRESS."

GC-26 GUARANTEES AND WARRANTIES

The Contractor shall furnish all guarantees and warranties applicable to the Deliverables to the SCM Director or designee prior to or at the time of delivery. All Deliverables shall be covered by the most favorable commercial warranties and guarantees the Contractor gives to any customer for the same or substantially similar Deliverables or Services. The rights and remedies so provided shall be in addition to and shall not limit any rights afforded to County under this Contract.

To the extent Contractor provides Deliverables manufactured by another entity, Contractor shall transfer original product warranty and any rights to manufacturer's related services to the County and shall submit all appropriate documentation of said transfer to the SCM Director or designee prior to or at the time the Contractor tenders the Deliverables.

GC-27 STANDARD OF DELIVERABLES

Except as may be expressly stated in this Contract, only new, originally manufactured Deliverables will be provided and no refurbished, rebuilt, restored or renovated Deliverables shall be acceptable. In addition, experimental materials are not acceptable. Deliverables not produced by regular production methods and/or which have not been offered for sale to the public through accepted industry trade channels for a reasonable period of time prior to the commencement of the Contract will be considered experimental.

GC-28 DELIVERY

All Contract Goods shipped to the County shall be shipped F.O.B., DESTINATION, FREIGHT PREPAID. Arrangements shall be made in advance by the Contractor in order that the County may arrange for receipt of the materials. Unless expressly provided in the Contract, truck deliveries will be accepted before 3:00 P.M. on weekdays only. No deliveries will be accepted on Saturdays, Sundays or County Holidays. The County is not responsible for delivery delays due to waiting times for loading and unloading at dock locations. The County reserves the right to add new delivery locations or delete previously listed delivery locations as required during the Contract period. The only restriction regarding the County's right to add new delivery locations shall be that any new or additional location shall be within the geographical boundaries of the County of Cook.

GC-29 QUANTITIES

Any quantities of Deliverables set forth in the Contract are estimates for the purpose of determining an approximate total Contract amount and may not be the actual quantities required by the County during the term of the Contract. The County reserves the right to increase or decrease such quantities at Contract pricing to correspond to the actual needs of the County. If the County increases the quantities required, any such increase shall be subject to an agreed written amendment in the Contract Amount. The County will be obligated to order and pay for only such quantities as are from time to time ordered, delivered, and accepted on purchase orders issued by the SCM Director.

GC-30 CONTRACT INTERPRETATION

Whenever the singular is used herein, the masculine, feminine and neuter gender shall be deemed to include the others. The headings of articles, paragraphs and sections in this Contract are included for convenience only and shall not be considered by either party in construing the meaning of this Contract. If any provision or clause of this Contract shall be held to be invalid, such provision or clause shall be deleted from the Contract and the Contract shall be construed to give effect to the remaining portions thereof.

This Contract shall be interpreted and construed based upon the following order of precedence of component parts. Such order of precedence shall govern to resolve all cases of conflict, ambiguity or inconsistency: 1. Signed Amendments or Addenda, if any; 2. Execution Forms; 3. Part I, Agreement; 4. Specification, if any; 5. Special Conditions or Statement of Work/Services; 6. General Conditions; and 7. Remaining Exhibits, if any.

GC-31 CONFIDENTIALITY AND OWNERSHIP OF DOCUMENTS

Contractor acknowledges and agrees that information regarding this Contract is confidential and shall not be disclosed, directly, indirectly or by implication, or be used by Contractor in any way, whether during the term of this Contract or at any time thereafter, except solely as required in the course of Contractor's performance hereunder. Contractor shall comply with the applicable privacy laws and regulations affecting County and will not disclose any of County's records, materials, or other data to any third party. Contractor shall not have the right to compile and distribute statistical analyses and reports utilizing data derived from information or data obtained from County's CCHHS without the prior written approval of the CCHHS CEO. In the event such approval is given, any such reports published and distributed by Contractor shall be furnished to County without charge.

All documents, data, studies, reports, work product or product created as a result of the performance of the Contract (the "Documents") shall be included in the Deliverables and shall be the property of the County of

Cook. Except as expressly provided in the Contract, it shall be a breach of this Contract for the Contractor to reproduce or use any documents, data, studies, reports, work product or product obtained from the County of Cook or any Documents created hereby, whether such reproduction or use is for Contractor's own purposes or for those of any third party. During the performance of the Contract, Contractor shall be responsible of any loss or damage to the Documents while they are in Contractor's possession, and any such loss or damage shall be restored at the expense of the Contractor. The County and its designees shall be afforded full access to the Documents and the work at all times.

GC-32 AUDIT; EXAMINATION OF RECORDS

The Contractor agrees that the Cook County Auditor or any of its duly authorized representatives shall, until expiration of three (3) years after the final payment under the Contract, have access and the right to examine any books, documents, papers, canceled checks, bank statements, purveyor's and other invoices, and records of the Contractor related to the Contract, or to Contractor's compliance with any term, condition or provision thereof. The Contractor shall be responsible for establishing and maintaining records sufficient to document the costs associated with performance under the terms of this Contract.

The Contractor further agrees that it shall include in all of its subcontracts hereunder a provision to the effect that the subcontractor agrees that the Cook County Auditor or any of its duly authorized representatives shall, until expiration of three (3) years after final payment under the subcontract, have access and the right to examine any books, documents, papers, canceled checks, bank statements, purveyor's and other invoices and records of such subcontractor involving transactions relating to the subcontract, or to such subcontractor's compliance with any term, condition or provision thereunder or under the Contract.

In the event the Contractor receives payment under the Contract, reimbursement for which is later disallowed by the County, the Contractor shall promptly refund the disallowed amount to the County on request, or at the County's option, the County may credit the amount disallowed from the next payment due or to become due to the Contractor under any contract with the County.

To the extent this Contract pertains to Deliverables which may be reimbursable under the Medicaid or Medicare Programs, Contractor shall retain and make available upon request, for a period of four (4) years after furnishing services pursuant to this Agreement, the contract, books, documents and records which are necessary to certify the nature and extent of the costs of such services if requested by the Secretary of Health and Human Services or the Comptroller General of the United States or any of their duly authorized representatives. If Contractor carries out any of its duties under the Agreement through a subcontract with a related organization involving a value of cost of \$10,000.00 or more over a 12 month period, Contractor will cause such subcontract to contain a clause to the effect that, until the expiration of four years after the furnishing of any service pursuant to said subcontract, the related organization will make available upon request of the Secretary of Health and Human Services or the Comptroller General of the United States or any of their duly authorized representatives, copies of said subcontract and any books, documents, records and other data of said related organization that are necessary to certify the nature and extent of such costs. This paragraph relating to the retention and production of documents is included because of possible application of Section 1861(v) (1) (I) of the Social Security Act to this Agreement; if this Section should be found to be inapplicable, then this paragraph shall be deemed inoperative and without force and effect.

GC-33 GOVERNING LAW

This Contract shall be governed by and construed under the laws of the State of Illinois. The Contractor irrevocably agrees that, subject to the County's sole and absolute election to the contrary, any action or proceeding in any way, manner or respect arising out of the Contract, or arising from any dispute or controversy arising in connection with or related to the Contract, shall be litigated only in courts within the Circuit Court of Cook County in the City of Chicago, County of Cook, State of Illinois, and the Contractor consents and submits to the jurisdiction thereof. In accordance with these provisions, Contractor waives any right it may have to transfer or change the venue of any litigation brought against it by the County pursuant to this Contract.

GC-34 WAIVER

No term or provision of this Contract shall be deemed waived and no breach consented to unless such waiver or consent shall be in writing and signed by the party claimed to have waived or consented. The waiver of any such provision shall be strictly limited to the identified provision.

GC-35 ENTIRE CONTRACT

It is expressly agreed that the provisions set forth in this Contract constitute all the understandings and agreements between the parties. Any prior agreements, promises, negotiations, or representations not expressly set forth in this Contract are of no force and effect.

GC-36 FORCE MAJEURE OR UNAVOIDABLE DELAYS

Neither Contractor nor County shall be liable for failing to fulfill any obligation under this Contract if such failure is caused by an event beyond such party's reasonable control which is not caused by such party's fault or negligence. Such events shall be limited to acts of God, acts of war, fires, lightning, floods, epidemics, or riots.

GC-37 INDEPENDENT CONTRACTOR STATUS; NO THIRD PARTY BENEFICIARIES

The Contractor and its employees, agents and subcontractors are, for all purposes arising out of the Contract, independent contractors and not employees of the County. It is expressly understood and agreed that neither the Contractor nor Contractor's employees, agents or subcontractors shall be entitled to any benefit to which County employees may be entitled including, but not limited to, overtime or unemployment compensation, insurance or retirement benefits, workers' compensation or occupational disease benefits or other compensation or leave arrangements.

Nothing contained herein shall be deemed or construed by the parties hereto, or by any third party, as creating the relationship or principal and agent or of partnership or of joint venturer or any relationship between the parties hereto other than that of independent contractors. Nothing herein shall be construed to confer upon any third parties the status of third party beneficiary.

GC-38 COOPERATION WITH INSPECTOR GENERAL

Persons or businesses seeking County contracts are required to abide by all of the applicable provisions of the Office of the Independent Inspector General Ordinance (Section 2-281 et seq. of the Cook County Code of Ordinances). Failure to cooperate as required may result in monetary and/or other penalties. Contractors, subcontractors, licensees, grantees or persons or businesses who have a County contract, grant, license, or certification of eligibility for County contracts shall abide by all of the applicable provisions of the Office of the Independent Inspector General Ordinance. Failure to cooperate as required may result in monetary and/or other penalties.

GC-39 BUSINESS ASSOCIATE PROVISIONS

This Section shall apply to the extent that Contractor ("Business Associate"), in performing the Contract, has access to Protected Health Information ("PHI") from or on behalf of the CCHHS ("Covered Entity"). In such event, Contractor shall be considered a Business Associate of CCHHS. To the extent applicable, the Parties desire to meet their respective obligations under the Health Insurance Portability and Accountability Act of 1996, as amended (the "Act"), including the federal privacy regulations (the "Privacy Rule") and security regulations (the "Security Rule") promulgated pursuant to the Act and codified in the Code of Federal Regulations ("C.F.R.") at 45 C.F.R. parts 160 and 164 (collectively, "HIPAA") and the Health Information Technology for Economic and Clinical Health Act provisions of the American Recovery and Reinvestment Act of 2009, Pub. Law No. 111-5 and its implementing regulations (collectively, "HITECH"). Business Associate agrees that as of the effective date of the privacy provisions of the Health Insurance Portability and Accountability Act of 1996 (HIPAA), it shall abide by the provisions of this GC-39 with respect to any Protected Health Information or Electronic Protected Health Information (as defined below).

A. **Definitions.** Terms used, but not otherwise defined, in this Section GC- 39 shall have the meaning set forth in the Privacy Rule and Security Rule.

"Breach" shall mean the unauthorized acquisition, access, use, or disclosure of protected health information which compromises the security or privacy of such information, except where an unauthorized person to whom such information is disclosed would not reasonably have been able to retain such information.

"Electronic Protected Health Information" or "EPHI" shall have the same meaning as the term "electronic protected health information" in 45 C.F.R. 160.103, limited to the information created or received by Business Associate from or on behalf of Covered Entity.

"Individual" shall have the same meaning as the term "individual" in 45 C.F.R. 164.501 and shall include a person who qualifies as a personal representative in accordance with 45 C.F.R. 164.502(g).

"Privacy Rule" shall mean the Standards for Privacy of Individually Identifiable Health Information at 45 C.F.R. part 160 and part 164, subparts A and E.

"Protected Health Information" or PHI shall have the same meaning as the term "protected health information" in 45 C.F.R. 164.501, limited to the information created or received by Business Associate from or on behalf of Covered Entity.

"Required By Law" shall have the same meaning as the term "required by law" in 45 C.F.R. 164.501.

"Secretary" shall mean the Secretary of the Department of Health and Human Service or his designee.

"Security Rule" shall mean the Security Standards at 45 C.F.R. parts 160, 162, and 164.

"Unsecured Protected Health Information" shall mean protected health information is not rendered unusable, unreadable, or indecipherable to unauthorized individuals through the use of a technology or methodology specified by the Secretary.

B. Obligations and Activities of Business Associate. Business Associate agrees to not use or disclose Protected Health Information other than as permitted or required by the Contract and by the HITECH Act or as Required By Law.

Business Associate agrees to implement administrative, physical, and technical safeguards that reasonably and appropriately protect the confidentiality, integrity, and availability of EPHI that Business Associate creates, receives, maintains, or transmits on behalf of Covered Entity as required by the Privacy Rule, Security Rule, and HITECH Act.

Business Associate recognizes that, as of February 18, 2010, the administrative, physical, and technical standards and implementation specifications of the HIPAA security rule (45 CFR sections 164.308, 164.310, 164.312, and 164.316), apply to the Business Associate in the same manner that it applies to a Covered Entity. Further, as of February 18, 2010, civil and criminal penalties for violation of the HIPAA security rule shall apply to a Business Associate in the same manner as they apply to a Covered Entity. Business Associate agrees to mitigate, to the extent practicable, any harmful effect that is known to Business Associate of a use or disclosure of Protected Health Information by Business Associate in violation of the requirements of this Contract and agrees to report to Covered Entity any use or disclosure of the Protected Health Information not provided for by this Contract of which it becomes aware.

C. Notification of Breach. Business Associate shall, following the discovery of a privacy or security breach of unsecured PHI, notify the CE without unreasonable delay, and no later than 30 days from the date that the BA discovers the breach or should have discovered it using reasonable diligence. Such notice shall include the identification of each individual whose unsecured PHI has been, or is reasonably believed by the BA to have been, accessed, acquired, or disclosed during such breach.

D. Application to Agents of Business Associate. Business Associate agrees to ensure that any agent, including a subcontractor, to whom it provides Protected Health Information received from, or created or received by Business Associate on behalf of Covered Entity, agrees to substantially similar restrictions and conditions that apply through this GC-39 to Business Associate with respect to such information.

E. Designated Record Set. If applicable, Business Associate agrees to provide access, at the request of Covered Entity, and in a reasonable time and manner, to Protected Health Information in a Designated Record Set, to Covered Entity or, as directed by Covered Entity, to an Individual in order to meet the requirements under 45 C.F.R. 164.524. If applicable, Business Associate agrees to make any amendment(s) to Protected Health Information in a Designated Record Set that the Covered Entity directs or agrees to pursuant to 45 C.F.R. 164.526 at the request of Covered Entity, and in a reasonable time and manner.

F. Books and Records. Business Associate agrees to make internal practices, books, and records relating to the use and disclosure of Protected Health Information received from, or created or received by Business Associate on behalf of, Covered Entity available to the Secretary, in a reasonable time and manner or designated by the Secretary, for purposes of the Secretary determining Covered Entity's compliance with the Privacy Rule.

G. Documentation of Disclosures. Business Associate agrees to document such disclosures of Protected Health Information and information related to such disclosures as would be required for Covered Entity to respond to a request by an Individual for an accounting of disclosures of Protected Health Information in accordance with the Privacy Rule and the HITECH Act. Business Associate agrees to provide to Covered Entity

or an Individual, in time and manner as required by Covered Entity, information collected to permit Covered Entity to respond to a request by an Individual for an accounting of disclosures of Protected Health Information in accordance with the Privacy Rule and the HITECH Act.

H. Restriction of Disclosures; Accounting. Business Associate agrees to restrict disclosure of an Individual's Protected Health Information as would be required of or agreed to by Covered Entity at the request of an Individual, in the time and manner specified by Covered Entity. Business Associate agrees to provide to Covered Entity or an Individual, in a reasonable time and manner, information collected in accordance with this GC-39, to permit Covered Entity to respond to a request by an Individual for an accounting of disclosures of Protected Health Information in accordance with 45 C.F.R. 164.528.

I. General Use and Disclosure Provisions. Except as otherwise limited in this GC-39, Business Associate may use or disclose Protected Health Information to perform functions, activities, or services for, or on behalf of, Covered Entity as specified in this Contract.

J. Specific Use and Disclosure Provisions. Except as otherwise limited in this Agreement, Business Associate may use Protected Health Information for the proper management and administration of the Business Associate or to carry out the legal responsibilities of the Business Associate. Except as otherwise limited in this Agreement, Business Associate may disclose Protected Health Information for the proper management and administration of the Business Associate or to carry out the legal responsibilities of the Business Associate, provided that disclosures are Required By Law, or Business Associate obtains reasonable assurances from the person to whom the information is disclosed that it will remain confidential and used or further disclosed only as Required By Law or for the purpose for which it was disclosed to the person, and the person notifies the Business Associate of any instances of which it is aware in which the confidentiality of the information has been breached. In addition, except as otherwise limited in this Agreement, Business Associate may use Protected Health Information to provide Data Aggregation services to Covered Entity as permitted by 42 C.F.R. 164.504(e)(2)(i)(B). Finally, Business Associate may use Protected Health Information to report violations of law to appropriate Federal and State authorities, consistent with Sec. 164.502(j)(1).

K. Provisions for Covered Entity To Inform Business Associate of Privacy Practices and Restrictions. Covered Entity shall notify Business Associate of: (1) any limitation(s) in its notice of privacy practices of Covered Entity in accordance with 45 C.F.R. 164.520, to the extent that such limitation may affect Business Associate's use or disclosure of Protected Health Information; (2) any changes in, or revocation of, permission by Individual to use or disclose Protected Health Information, to the extent that such changes may affect Business Associate's use or disclosure of Protected Health Information; (3) any restriction to the use or disclosure of Protected Health Information that Covered Entity has agreed to in accordance with 45 C.F.R. 164.522, to the extent that such restriction may affect Business Associate's use or disclosure of Protected Health Information. Further, Covered Entity shall obtain any consent, authorization or permission that may be required by the Privacy Rule or applicable state laws and/or regulations prior to furnishing Business Associate the Protected Health Information pertaining to an individual.

L. Permissible Requests by Covered Entity. Covered Entity shall not request Business Associate to use or disclose Protected Health Information in any manner that would not be permissible under the Privacy Rule if done by Covered Entity.

M. Term. These Business Associate Provisions shall be effective as of the Effective Date of the Contract and shall survive the expiration of the Contract, terminating only when all of the Protected Health Information provided by Covered Entity to Business Associate, or created or received by Business Associate on behalf of Covered Entity, is destroyed or returned to Covered Entity, or, if it is infeasible to return or destroy Protected Health Information, protections are extended to such information, in accordance with the termination provisions in this Section.

N. Termination for Cause. Upon Covered Entity's knowledge of a material breach of these Business Associate provisions by Business Associate, Covered Entity shall either: (1) provide an opportunity for Business Associate to cure the breach or end the violation and terminate this Contract if Business Associate does not cure the breach or end the violation within the time specified by Covered Entity; (2) immediately terminate this Contract if Business Associate has breached a material term of this GC-39 and cure is not possible; or (3) if neither termination nor cure are feasible, Covered Entity shall report the violation to the Secretary.

O. Effect of Termination. Except as provided in this section, upon termination of this Contract, for any reason, Business Associate shall return or destroy all Protected Health Information received from Covered Entity, or created or received by Business Associate on behalf of Covered Entity. This provision shall apply to Protected Health Information that is in the possession of subcontractors or agents of Business Associate. Business Associate shall retain no copies of the Protected Health Information. Notwithstanding the foregoing, if Business

Associate determines that returning or destroying the Protected Health Information is infeasible, Business Associate shall provide to Covered Entity notification of the conditions that make infeasible. If Covered Entity agrees that such return is infeasible, Business Associate shall extend the protections of this GC-39 to such Protected Health Information and limit further uses and disclosures of such Protected Health Information to those purposes that make the return or destruction infeasible, for so long as Business Associate maintains such Protected Health Information.

P. Mitigation. To the extent known to Business Associate, Business Associate agrees to use commercially reasonable efforts to mitigate, to the extent practicable, any harmful effect known to Business Associate resulting from a use or disclosure of PHI by Business Associate or its agents in violation of the terms of this GC-39.

Q. Miscellaneous. (1) Any reference in this GC-39 to a section in the Privacy Rule means the section as in effect or as amended. (2) The Parties agree to meet and confer regarding amendment of this GC-39 from time to time as is necessary for either Party or both Parties to comply with the requirements of the Privacy Rule and the Health Insurance Portability and Accountability Act of 1996, Pub. L. No. 104-191. Any amendment, however, must be mutually agreed upon by the parties in writing. In the event the parties are, for any reason, unable to agree on an acceptable amendment, either party may terminate this Agreement on written notice to the other party. (3) The respective rights and obligations of Business Associate shall survive the termination of this Contract. (4) Any ambiguity in these Business Associate Provisions shall be resolved to permit Covered Entity to comply with the Privacy Rule.

R. Construction of Terms. The terms of this GC-39 shall be construed in light of any applicable interpretation or guidance on HIPAA and/or the Privacy Regulation issued by HHS or the Office of Civil Rights ("OCR") from time to time.

S. No Third Party Beneficiaries. Nothing in this GC-39 shall confer upon any person other than the parties and their respective successors or assigns, any rights, remedies, obligations, or liabilities whatsoever.

GC-40 REQUIRED CONTRACTOR FILING WITH COOK COUNTY BOARD OF ETHICS

Any person or persons doing business with Cook County, upon execution of a contract with Cook County, are required to disclose to the Cook County Board of Ethics the existence of familial relationships they may have with all persons holding elective office in the State of Illinois, the County of Cook, or in any municipality within the County of Cook. The disclosure required by this section shall be filed by January 1 of each calendar year or within thirty (30) days of the execution of any contract or lease. Any person filing a late disclosure statement after January 31 shall be assessed a late filing fee of \$100.00 per day the disclosure is late. Any person found guilty of violating any provision of this section or knowingly filing a false, misleading, or incomplete disclosure to the Cook County Board of Ethics shall be prohibited, for a period of three (3) years, from engaging, directly or indirectly, in any business with Cook County. *Note: Please see Chapter 2 Administration, Article VII Ethics, Section 2-582 of the Cook County Code, available at www.municode.com, to view the full provisions of this section. The Cook County Code of Ordinances is available on line at www.municode.com. Questions concerning this disclosure requirement should be directed to the Cook County Board of Ethics.*

END OF SECTION

EXHIBIT I - SPECIAL CONDITIONS

SC-01 SCOPE

The Contractor shall provide TESTING, MAINTENANCE AND REPAIR SERVICES FOR SECURITY SYSTEMS, BUILDING AUTOMATION SYSTEMS, FIRE ALARM SYSTEMS, TWO-WAY RADIO SYSTEM AND ARC FLASH STUDY, MEDIUM AND LOW VOLTAGE EQUIPMENT MAINTENANCE TESTING, MEDIUM VOLTAGE CABLES MAINTENANCE TESTING, AND UPGRADE OF VIDEO RECORDING SYSTEM FOR SECURITY CAMERAS for JOHN H. STROGER JR. HOSPITAL OF COOK COUNTY, all in accordance with the Contract Documents, Specifications and Proposal herein.

SC-02 CONTRACT PERIOD

This is a contract for thirty-six (36) months effective after award by the Cook County Health and Hospitals System Board (System Board) and after proper execution of the Contract Documents.

SC-03 AWARD OF CONTRACT

It is the intent of the System Board to award this contract in whole and not in part. The System Board reserves the right to award this contract in the best interest of the System Board and the County.

SC-04 INQUIRIES

For inquiries *after* award of the contract, please contact:

DAVID LAI	SYLVESTER HICKEY
312-864-2800	312-864-1473

SC-05 SERVICE LOCATION

All services shall be provided and performed at:

JOHN H. STROGER, JR. HOSPITAL OF COOK COUNTY CAMPUS
1901 WEST HARRISON STREET
CHICAGO, ILLINOIS 60612

FOR THIS CONTRACT, THE HOSPITAL CAMPUS INCLUDES THE FOLLOWING BUILDINGS:

JOHN H. STROGER, JR. HOSPITAL	FANTUS CLINIC BUILDING
POWERHOUSE	FANTUS MRI BUILDING (OUTPATIENT IMAGING)
ADMINISTRATION BUILDING	CORE CENTER
HEKTOEN BUILDING	12 KV BUILDING
DURAND BUILDING	

SC-06 NOTIFICATION

Do not service until notified by User Department.

SC-07

BILLING

- A. Contractor shall submit invoices monthly. Each monthly invoice shall be broken down showing all the individual charges and rates as identified in the Proposal Pages. Each monthly invoice shall indicate separately the total amount previously billed and with payments received, the total amount previously billed for which payment has not been received, and the current amount being invoiced. Each monthly invoice shall also include all Contractor generated work tickets with requesting authorization to perform the services as required under the Specifications of the Contract Documents, accompanied by the signed numbered work orders which specifically authorize the work set forth on the associated work tickets.
- B. Contractor shall not invoice the County for work or materials which have not been authorized or actually been provided. The awarded amount of any and all parts of this Contract shall represent a maximum not-to-exceed amount which may be payable to the Contractor and shall not represent any guaranteed payment level, unless by an amendment approved by the Board.

SC-08

SERVICE TIME

Contractor shall provide service at the time as required by John H. Stroger, Jr. Hospital of Cook County, day or night, seven (7) days a week. Contractor shall respond to emergency service calls within two (2) hours after receiving the call.

SC-09

CLEAN-UP

Contractor shall remove all crates, boxes and other debris brought in by the Contractor or created by the Contractor.

SC-10

PREVAILING WAGE

The Contractor shall comply with the "Prevailing Wage Act" (820 ILCS 130/), which applies to the wages of laborers, mechanics and other workers employed in any public works by any public body and to anyone under contracts for public works, which includes any maintenance, repair, assembly, or disassembly work performed on equipment whether owned, leased, or rented.

Prevailing wage rates shall comply with Sections 2 and 3 of the "Prevailing Wage Act" (820 ILCS 130/).

The most current scale of prevailing wages for Cook County to be paid, as published by the Illinois Department of Labor, shall be posted by the Contractor in a prominent and easily accessible place at the site of work.

SC-11 ADDITIONAL CONTRACTOR RESPONSIBILITY - FOR STROGER HOSPITAL AND OTHER HOSPITAL FACILITIES

A. CONTRACTOR PERSONNEL

1. All Contractor Personnel shall be employed full time by the Contractor who shall ensure that all services provided by Contractor Personnel conform to the terms of this Contract.

2. Contractor must conduct criminal background checks, at Contractor's expense, for all individuals employed by the Contractor or its Subcontractors who will be present in hospital facilities. Employees of Contractors or its Subcontractors who have been convicted of a State Class "A" or Federal misdemeanor, felony or plea of nolo contendere shall not perform work on behalf of Contractor or its Subcontractors on hospital premises. Contractor shall provide the John H. Stroger, Jr. Hospital of Cook County with the following documentation regarding each proposed Contractor Personnel, prior to his/her assignment to work at the hospital:
 - a. Result of the criminal background check;
 - b. Documentation that the individual has undergone a current physical examination and has satisfied all health and immunization requirements of the Cook County Health and Hospitals System (CCHHS) for Contractor's and its Subcontractors' personnel, including, but not necessarily be limited to, tests for tuberculosis, Rubeola (measles), mumps, Rubella (German measles), Hepatitis B immunity, and Varicella;
 - c. Documentation of satisfactory current physical exam;
 - d. Current state-issued or city-issued license or registration appropriate to the assignment under this Contract where required;
 - e. Contractor certification that the individual has not been excluded or otherwise restricted from providing services reimbursable under Medicaid, Medicare or other federally funded program or insurance plan;
 - f. Contractor certification that the individual has successfully completed training on Health Insurance Portability and Accountability Act of 1996 (HIPAA) requirements; and
 - g. Any other training and documentation reasonably required by the Hospital.
3. Contractor shall contact the Department of Human Resources at each CCHHS facility in order to arrange for facility orientation of Contractor Personnel to provide services at that CCHHS facility. Orientation shall include, but not be limited to, safety training, infection control procedures and Buildings and Grounds departmental procedures.

B. WORK ORDERS: COMPUTERIZED SERVICE DOCUMENTATION

1. The Stroger Hospital utilizes a computerized (Maximo) work order system. The Contractor shall utilize this system to record information regarding the services provided under this Contract, including the hours during which services were provided, the scope of specific services and the Contractor Personnel who performed the services.
2. Contractor shall request authorization to provide services by submitting a work ticket to the hospital's designated personnel, who shall issue and sign a work order, which shall constitute authorization to proceed with the work described. All work tickets requesting authorization to provide services and all work orders shall include the unique equipment identification number for the equipment receiving the services.
3. The Contractor shall document all repair needs and shall submit a work ticket requesting a work order for all repairs. Work Orders for repairs shall clearly indicate whether the repairs are billable Services or non-billable. All requests for work orders for Services shall document the reason the repairs are not within the scope of regular Services; i.e., the Equipment requires repairs which are due to damage caused by employee damage or caused by unusual environmental conditions or the Equipment requiring repair is not listed.

4. The contractor shall return documentation of all completed work orders to the Hospital. Monthly billing will not be paid unless the Preventive Maintenance work orders are current (i.e., the preventive maintenance services for which payment is sought have been performed).
5. The contractor will continue with the current Preventive Maintenance Program that is in place.

C. MATERIAL DATA SAFETY SHEET

1. As required under the Illinois "Toxic Substance Disclosure to Employees Act", Illinois Compiled Statutes, 1994, 820 ILCS 255/1, Contractor shall provide with each delivery of materials, a Material Safety Data Sheet (MSDS) for each material so delivered.
2. Contractor shall submit Material Safety Data Sheets to the Hospital's Safety Department for record.

D. CERTIFICATIONS

1. Contractor shall provide the annual or other periodic certifications of maintenance and repair for the inventory of equipment identified in this Contract required by the regulatory agencies for healthcare facilities. The Contractor shall prepare an analysis of the certification requirements within thirty (30) days of the notice of award of the contract. The contractor shall review all applicable regulatory requirements to prepare this analysis. The regulatory requirements reviewed shall include the most current approval and applicable standards of The Joint Commission, IDPH, IEPA, OSHA, NFPA, ASHRAE, CAP and the City of Chicago.

E. CONTINUITY OF CONTRACTOR'S PERSONNEL ASSIGNMENTS

1. Unless otherwise requested by the County, Contractor will use reasonable efforts to assign the same Contractor Personnel to provide services at the same County facility and units on a consistent and regular basis. If the County requests any particular individual to perform services, Contractor agrees to use reasonable efforts to comply with such request. Hospital shall have the right to require the removal or non-assignment of any Contractor Personnel who, in the Hospital's reasonable judgment, does not perform the services in a quality and efficient manner, or for other cause or causes. In this event, Contractor shall promptly replace the removed personnel.

F. CALLBACK SERVICES

1. Repairs which are necessary to the operation of the Hospital or to units of the Hospital shall be provided by the Contractor on an emergency basis, which shall be available 24 hours a day and 7 days a week.
2. No charges for standby time or for travel time will be payable to the Contractor by the County.

EXHIBIT II - SPECIFICATIONS

SCOPE OF WORK SUMMARY

Services summary is as follows:

1. John H. Stroger, Jr. Hospital of Cook County, including Powerhouse – Preventative maintenance, testing and repair services on the following systems:
 - a. Building Automation
 - b. DDC Temperature Controls
 - c. Smoke Control Sequences
 - d. Smoke Evacuation
 - e. Access Control
 - f. Infant Abduction Monitoring and Alarm System
 - g. CCTV
 - h. Video Intercom
 - i. Security
 - 1) Duress Buttons
 - 2) Area Protection
 - j. Fire Alarm System
 - k. Stairway Door Electric Strikes
 - l. Automatic Door Operators
 - m. Magnetic Door Holders
 - n. Automatic Fire Shutter Doors
2. Fantus Clinic Building – Preventative maintenance, testing and repair services on the following systems:
 - a. DDC Temperature Controls
 - b. Building Automation
 - c. Fire Alarm System
3. Fantus MRI Building – Preventative maintenance, testing and repair services on the following systems:
 - a. DDC Temperature Controls
 - b. Building Automation
 - c. Fire Alarm System
4. CORE Center – Preventative maintenance, testing and repair services on the following systems:
 - a. DDC Temperature Controls
 - b. Building Automation
 - c. Fire Alarm System
 - d. Security System
 - 1) Control Devices
 - 2) Alarm Devices
5. Administration Building – Preventative maintenance, testing and repair services on the following systems:
 - a. DDC Temperature Controls
 - b. Building Automation
 - c. Fire Alarm System

6. Hektoen Building: Preventative maintenance, testing and repair services on the following systems:
 - a. Fire Alarm System
 - b. DDC Temperature Controls
7. Durand Building: Preventative maintenance, testing and repair services on the following systems:
 - a. Fire Alarm System
8. 12 KV Building: Preventative maintenance, testing and repair services on the following system:
 - a. Fire Alarm System
9. Training Services.
10. Systems network analysis.
11. Database backup once every month.
12. Software upgrades, at a minimum one upgrade per year, and as upgrades become available.
13. Testing, Maintenance and Repairs of Two-Way Radio Transmission System, including base station and portable radios, repeaters and combiner/multicoupler.
14. ARC Flash Study.
15. Medium and Low Voltage Equipment Maintenance testing.
16. Medium Voltage Cables Maintenance testing.

TESTING, MAINTENANCE AND REPAIR SERVICES FOR SECURITY SYSTEMS, BUILDING AUTOMATION SYSTEMS, FIRE ALARM SYSTEMS, AND TWO-WAY RADIO SYSTEM (EQUIPMENT IDENTIFIED IN ATTACHMENTS #1, #2, #3, #4, #5, #6 AND #7) Arc Flash Study program, Medium and Low Voltage Equipment maintenance testing, and Medium Voltage Cables Maintenance testing.

Part I Services

Part I Services shall be provided on a fixed monthly fee basis, where the fixed monthly fee shall include all necessary labor, parts, materials and equipment to perform regular maintenance and repair of the Security Systems, Building Automation Systems, Fire Alarm Systems, Automatic Fire Shutter Doors, Two-Way Radio System and Equipment on the John H. Stroger, Jr. Hospital of Cook County Campus ("Hospital Campus") (as listed, more or less, in Attachments #1 through #7) to keep all equipment in proper working order.

Regular preventative maintenance services on Security Systems throughout the Hospital Campus shall include at least twenty-four (24) hours of technician time per week throughout the duration of the contract. Such services shall be performed from 8:00 am to 4:30 pm on days of the week to be established by mutual agreement with the Chief of Hospital Police.

Regular preventative maintenance services on Building Automation Systems throughout the Hospital Campus shall include at least twenty-four (24) hours of technician time per week throughout the duration of the contract. Such services shall be performed from 8:00 am to 4:30 pm on Tuesday, Wednesday and Thursday of each week. In case any of the three days falls on a holiday, the work shall be performed on Monday or Friday of that week, by mutual agreement with the Chief Engineer.

Regular preventative maintenance services on Fire Alarm Systems throughout the Hospital Campus shall include at least sixteen (16) hours of technician time per week throughout the duration of the contract. Such services shall be performed from 8:00 am to 4:30 pm on Thursday and Friday of each week. In case any of the two days falls on a holiday, the work shall be performed on one of the other three days of that week, by mutual agreement with the Electrical Foreman.

For purposes of this Contract, "Regular Repair Services" shall mean all labor, equipment and materials required to repair the Equipment due to malfunctions or breakages caused by reasonably foreseeable usage or wear and tear on the Hospital Campus. Contractor shall assume that the Hospital will use all Equipment heavily in a severe continuous operating environment which is substantially within the operating environment recommended by the manufacturer of the equipment.

Part I Services shall be "turnkey" testing, maintenance and repair services for the equipment listed in Attachments #1 through #7 of these specifications. The maintenance and repair of this equipment must meet all manufacturers' requirements as well as all regulatory requirements. The contractor shall review all pertinent Operating and Maintenance manuals to confirm maintenance requirements and shall incorporate these requirements in the maintenance and repair of this equipment. Hospital shall make all manuals in the Hospital's Operating and Maintenance Manual Library available to Contractor. However, to the extent that needed manuals are not available at Hospital for any reason, Contractor shall be responsible for acquiring any missing operating and maintenance manuals required to properly maintain and repair equipment. These manuals shall then become the property of Hospital.

Basic minimum requirements for Part I Services shall include the following to provide repairs or replacements of parts which are necessary to keep equipment in proper operating condition. This includes but is not limited to:

1. Labor
2. Emergency services
3. Materials and parts

Contractor shall provide all parts required for proper equipment operation as part of this contract.

Equipment must be inspected by bidder prior to bidding and the costs for necessary equipment repairs shall be included. No additional funds will be allowed for repairs of equipment.

Part II Services

Part II Services may be required to repair the equipment identified in Attachments #1 through #7, where such repairs are due to causes other than reasonably anticipated wear and tear. Part II Services shall be provided and paid on a labor and materials basis. Hourly rates for Part II Services shall be set forth in the proposal form for Part II Services. The County shall purchase materials from the successful Contractor for Part III Materials, at the rates set forth on the Part III proposal pages.

Part III Materials

Part III of this Contract provides for all Materials required for the performance of Part II Services. (The cost of materials required for Part I Services is included in the amounts of the fixed monthly fee for Part I Services.)

Contractor shall propose a charge for each of the items of Material set forth on the Proposal Pages for Part III Materials, which charges shall represent the amount Contractor shall bill for the item, inclusive of the cost of shipping and delivering the item to the Hospital.

Authorization required to provide Part III Materials. Contractor shall provide Part III Materials upon receipt of an order from the Hospital Project Manager for Part II Services. Contractor shall provide the information required in the paragraph below, entitled "Delivery Tickets," when the order is placed.

Delivery Tickets. Each delivery of materials shall be accompanied by a delivery ticket which shall reference the specific materials being provided, the applicable item number(s) from the Part III proposal pages and the Work Order Number pursuant to which the materials are being provided. Delivery Tickets must be signed by the respective Hospital Project Manager for Part II Services to document receipt of these items.

Timeliness of Delivery. Contractor shall deliver the Part III Materials ordered in an expeditious manner. This shall, in most instances, be on the same day the order is placed, but in no event be longer than 48 hours after an order has been placed.

Limits on Amount of Materials to be Purchased. The Contractor shall keep a record of its charges for Part III materials. Unless the parties have amended this Contract, the Contractor shall not provide Part III Materials when the total charges for these Part III materials have exceeded the amount awarded for Part III. If, during the contract period, Part III Materials Costs exceed this amount, the Hospital will request that the System Board authorize additional funding for the Contract.

The Contractor shall be responsible to provide an emergency back-up system for essential equipment (e.g. cameras, recording devices) if the equipment cannot be repaired immediately.

All technicians shall be fully trained and qualified to work on the specific equipment at JOHN H. STROGER, JR. HOSPITAL OF COOK COUNTY.

CERTIFICATIONS

This contract shall include the annual or other certifications for the inventory of equipment identified in this contract required by the regulatory agencies for healthcare facilities. The contractor shall prepare an analysis of the certification requirements within 30 days of the start of the contract. The contractor shall review all applicable regulatory requirements to prepare this analysis. The regulatory requirements reviewed shall include, but is not limited to, the most current standards of IDPH, the Joint Commission, NFPA, ASHRAE and the City of Chicago.

ADDITIONAL WORK (SEE PART II ON PROPOSAL FORM)

Estimate Required to Provide Part II Services Which Exceed \$750.00. Contractor shall submit a detailed written estimate for any labor and materials for Part II repairs which, when combined, will exceed \$750.00 and shall obtain the approval of the Hospital Project Manager prior to commencing these Services. The Hospital Project Manager may direct Contractor to revise these Estimates if, in his opinion, the estimate is unreasonable. Once approved, Contractor shall adhere to the approved estimate. Contractor must request authorization from the Hospital Project Manager if additional hours are required due to unanticipated problems and shall thoroughly document the basis for any such requests. The Hospital Project Manager may require that additional approvals be obtained from him for all Services, at his discretion.

Daily Time Tickets. Contractor shall submit daily time tickets to the Hospital Project Manager for each individual the Contractor assigns to perform Services. Each individual's time ticket shall include the name and job category of the individual providing Services, the specific tasks performed and materials utilized, including the scope and location of the work, and the time spent performing each task. The Hospital Project Manager shall sign daily time tickets for all work. The signed daily time tickets and initial proposal shall be submitted with all invoicing.

Cost of Preparing Estimates. Contractor shall not charge the County for the cost of preparing Service estimates, including revised estimates.

Limits on Amount of Repairs. The Contractor shall not provide Part II Services when the cost of these Services exceeds the amount awarded by the County for the performance of Part II Services. If, during the contract period, the maintenance and repair costs for Part II Services exceed this amount, the Hospital will request that the System Board authorize additional funding for the Contract.

HOSPITAL PROJECT MANAGERS

The Hospital Project Manager for the Security Systems will be the Chief of Hospital Police. The Hospital Project Manager for the Building Automation Systems will be the Chief Engineer. The Hospital Project Manager for the Fire Alarm Systems, the Two-Way Radio System and Electrical Distribution Equipment will be the Electrical Foreman.

EMERGENCY SERVICE

EMERGENCY SERVICE SHALL BE PERFORMED WITHIN THE MAXIMUM TIME OF TWO (2) HOURS AFTER BEING NOTIFIED FOR ALL TIMES, INCLUDING AFTER HOURS SERVICE CALLS DAILY, WEEKENDS AND HOLIDAYS. QUALIFIED TECHNICIANS SHALL BE AVAILABLE ON A 24 HOURS PER DAY, 7 DAYS PER WEEK BASIS. NO CHARGE FOR STANDBY TIME OR FOR TRAVEL TIME WILL BE PAID TO THE CONTRACTOR BY THE COUNTY.

CALL BACK

IF CALL-BACK SERVICE IS REQUIRED DUE TO UNSATISFACTORY WORKMANSHIP, CONTRACTOR'S NEGLIGENCE OR PARTS FAILURE WITHIN THE WARRANTY PERIOD, NO ADDITIONAL CHARGE WILL BE PAID BY THE COUNTY.

REGULAR WORKING HOURS:

MONDAY THROUGH FRIDAY – 8:00 AM TO 4:30 PM

OVERTIME HOURS:

ANYTIME BEFORE OR AFTER REGULAR WORKING HOURS.

HOLIDAYS OBSERVED:

FOR THIS CONTRACT, NEW YEAR'S DAY, MEMORIAL DAY, INDEPENDENCE DAY, LABOR DAY, THANKSGIVING DAY AND CHRISTMAS DAY.

WARRANTY

CONTRACTOR SHALL WARRANT ITS WORK, FOR ALL PARTS AND MATERIALS ONE (1) YEAR AND FOR LABOR SIXTY (60) DAYS, COMMENCING ON THE DATE OF DOCUMENTED WORK COMPLETION.

ACCESS TO OCCUPIED AREAS

The technicians of Contractor shall at all times wear the Hospital issued identification badges. Access to occupied areas of the Hospital shall at all times be prearranged through Buildings and Grounds staff. The contractor shall prepare and submit a separate work schedule with a three (3) month look ahead for each of the Security Systems, Building Automation Systems, and Fire Alarm Systems. These schedules shall be submitted and approved by the respective Hospital Project Managers prior to the start of all work. The first three months schedule shall be submitted within 30 days of award of contract.

TRAINING

Contractor's staff working at the Hospital shall participate in the Hospital's annual Infection Control, Safety and New Employee orientation. Training shall be completed by all contractors' staff prior to the issuance of identification badges which contractor staff must wear and display at all times when on the Hospital campus. In addition, the contractor's staff shall be trained by the contractor's own foreman on the Hospital Construction Safety Guidelines and Policy and whatever additional policies and procedures the Hospital reasonably may require.

SHOP AREA AND PARKING

The contractor shall be provided an existing shop on campus of approximately 500 square feet on the 5th floor of the hospital building. The Hospital will supply all utilities in the shop. Tools, workbenches, supplies and furniture shall be provided by the contractor.

Parking for contractor's vehicles, when available, is provided between the powerhouse and the hospital building. Only contractor's vehicles assigned to work at the hospital will be allowed to park; no parking will be permitted for private vehicles.

EQUIPMENT INVENTORY

The inventory of equipment and systems included in the full maintenance scope of this contract is identified in Attachments #1, #2, #3, #4, #5, and #6. The inventories are identified as follows:

- Attachment #1 – Security Systems Inventory
- Attachment #2 – Building Automation Systems Inventory
- Attachment #3 – Fire Alarm Systems Inventory
- Attachment #4 – Stairway Door Inventory
- Attachment #5 – Automatic and Magnetic Door Inventory
- Attachment #6 – Automatic Fire Shutter Door Inventory

CONTRACT PERIOD COORDINATION

The testing, maintenance and repair of the security systems, building automation systems, fire alarm systems, two-way radio equipment, and associated equipment as indicated in Attachments #1 through #7, shall be for a full thirty-six (36) months, running from July 1, 2013 through June 30, 2016. All testing, maintenance and repair of the various types of equipment shall be scheduled through and scheduled with the respective Hospital Project Managers.

BILLING

Billing shall be submitted monthly with Contractor's invoice along with a completed and signed Cook County 29A voucher form. Each monthly invoice shall be itemized showing the individual contract line values as itemized on the contractor's Proposal Form. Each monthly bill shall indicate the original contract amount of each item, the amount previously invoiced/paid, the current amount being invoiced and the balance to become due. Each monthly invoice must also include all signed work tickets for additional work authorized and included in the current month's billing.

PREVENTATIVE MAINTENANCE WORK ORDERS

The Hospital utilizes a computerized (Maximo) work order system. Work orders will be generated for monthly preventative maintenance (PM's). The contractor shall return the records of completed work orders to the Hospital for documentation. Monthly billing will not be paid unless documentation for the PM work orders has been kept current by the contractor.

PART I, ITEM NO. 1 of Proposal: Scope of Services for Testing, Maintenance and Repair of Security Systems

- I. Provide turnkey testing, maintenance and repair of the security systems identified herein. Contractor shall provide all labor, material and equipment. Submit monthly cost in *Part I Item #1 on of Bid Proposal Form*.
1. **Card Access**
 - A. Vendor Responsibility
 - 1) Quarterly Network Diagnostics
 - 2) Quarterly Database Saves
 - 3) Quarterly Front End Diagnostics
 - 4) Semi-Annual Door Reader Inspections, which shall include:
 - i. Reader
 - ii. Motion Detector
 - iii. Door Lock of Automatic Door
 - iv. Request to Exit Buttons
 - B. Semi-Annual Inspection of CK-720's – Card Access Controllers, including:
 - 1) Replacement of Panel Batteries
 - 2) Power Supplies and Batteries
 - 3) "Flashing" the Panel
 - 4) Visual Inspections
 - 5) Card Database Maintenance
 - C. Day to Day Operational Support Needs
 - 1) Assist in the design of access groupings and time zone privileges, alarm grouping and reporting strategies and system status display.
 - 2) Analyze and recommend optimal access parameters for maximum operational efficiency.
 - 3) Set and review historical trend data recording and reports; verify access control during occupied and unoccupied periods.
 - D. Video Imaging – Card Access
 - 1) Quarterly Database Saves
 - 2) Quarterly Diagnostics
 - 3) Card Printer Maintenance
 - 4) Adjust Cameras
2. **CCTV**
 - A. As-needed, refocus cameras or replace lenses and/or cameras per prices quoted in *Spare Parts – Part III of the Proposal*.
 - B. Database Maintenance
 - C. Camera Call-up on alarm
 - D. Camera Housing Cleaning
 - E. Monitor Security Console Cleaning
 - F. Camera Alarm Call-Up

3. **Baby Watch – Infant Abduction Monitoring and Alarm System**

- A. Monthly Inspection and Verification of Operation of the Following:
 - 1) Baby-Mother Matching and Light Test
 - 2) Baby Tracking
 - 3) Pediatrics Tracking
 - 4) Baby/Pediatric Tag Testing - Tamper & Alarm
 - 5) RF and IR Reader Sensitivity
- B. Semi-Annual System Testing
 - 1) Per Regulatory Requirements and Stroger Hospital Standards

4. **Duress Buttons**

- A. Semi-Annual Testing of Duress Buttons
- B. Replace defective or damaged buttons per prices quoted in *Spare Parts – Part III of the Proposal*.
- C. Provide written Trend Report as needed on number of Duress signals.
- D. Install new buttons, when authorized, under scope of additional work.

5. **Window Contacts**

- A. Conduct semi-annual testing of all window contacts.

6. **Equipment**

- A. Maintain adequate stock of repair parts on hospital premises for immediate repair and replacement. Items shall include, at a minimum, the following:
 - 1) Card Readers
 - 2) Infant Tags
- B. The video surveillance system at Stroger Hospital shall be upgraded with new control equipment and new digital video recorders.
 - 1) Currently the system recording is done by VCRs and the existing matrix switching equipment is not functioning properly.
 - 2) The two matrix monitors in security shall be replaced with new LCD monitors and maintain the capability where they can pull up any camera on those monitors. The new digital video recorders shall replace the existing multiplexers and have the additional functionality where a department can pull up cameras installed in their respective areas on their personal computer.
 - 3) A new Windows PC workstation shall be installed in the Security Office to allow for remotely programming and managing the new video surveillance system.
 - 4) New racking equipment shall be provided in the data closets to accommodate the new video surveillance equipment.
 - 5) The models identified in these specifications are for quality benchmarking and are models that are current at time of specification preparation. The quality of replacement equipment shall be equal to or better than those models so identified as of the install date and is subject to the approval by the Hospital Project Manager for security systems.
 - 6) Existing video surveillance equipment shall be reused if in good work order.
 - 7) Hospital shall provide TCP/IP connections and static IP addresses for each DVR unit and the PC workstation.
 - 8) Hospital shall provide additional PC workstations for remote software clients if requested.
 - 9) Cost of equipment upgrade work shall be identified in *Part III, Section 4 of Proposal Form, Items #18 through #40 inclusive*. Costs proposed in *Part III of Proposal Form* shall include all cost of labor and materials. This cost is not included in *Part I Services*.

7. **Risk Analysis**

- A. Conduct and provide written Monthly Trend Reports and Risk Analyses for the following:
 - 1) Access points in the facility
 - 2) Number of False Alarms within the Infant Security System

- 3) Number of General Alarms (Window Contacts, Duress Buttons, etc.)

8. Training

A. Provide in-house training, relative to the operation and safekeeping of the Security System for all security staff.

B. Provide additional training upon installation of updated equipment or parts.

- II. The following detailed procedures shall be followed when providing the testing, maintenance and repair services for the security systems identified herein.

1. Cardkey Control and Expansion Units

A. On a Regularly Scheduled Basis

- 1) Check LED indication, verify proper DC power levels, and verify appropriate Transmit and Receive indicators.
- 2) Check wiring for signs of deterioration, including corrosion, fraying and discoloration.
- 3) Check continuity of grounding circuit.
- 4) Verify voltage level of controller backup battery; replace battery as required.
- 5) Verify voltage level of system battery and back-up operation, replace battery as required.
- 6) If flash memory equipped, perform "write to flash" function.
- 7) Confirm panel tamper switch operation.
- 8) Verify component mounting integrity.
- 9) Remove dust from all surfaces.
- 10) Clean enclosure exterior surfaces.
- 11) Verify the proper operation of critical access control processes and points associated with this unit, and perform "Corrective Maintenance" as needed.

2. Cardkey Operator Workstations

A. On Each Scheduled Service Visit to the Jobsite:

- 1) Report in with hospital personnel designated by Hospital Project Manager for the Security System.
- 2) Review Workstation for system EXCEPTION ACTIVITY and OFF-LINE status, indications.
- 3) Review system for OVERRIDE, DISABLED and SUPPRESSED status indications.
- 4) Review and discuss System Event Log with customer.
- 5) Access control operational concerns.
- 6) Perform or schedule "Corrective Maintenance" Procedures as appropriate to resolve situations noted in the preceding reviews.
- 7) Install appropriate Cardkey Software refinement and Problem correction revisions ("Minor Rev's"), as they become available.

B. On a Scheduled Basis on all Operator Workstations:

- 1) Check monitor for clarity, focus and Clean Read/Write heads of removable disk drive(s).
- 2) Cycle power; listen for unusual motor/bearing noise.
- 3) Verify proper system restart, check date, time, hardware status, and associate I/O devices.
- 4) Clean exterior surfaces.

C. Additionally, on all Operator Server/Workstations and Badging Workstations:

- 1) Save/Copy Cardkey System Database, including custom graphics, as indicated in the agreement.

3. Cardkey Access Card Supply Services

- A. Contractor must have direct and easy access to all types of time sensitive supplies such as access cards and I.D. badge printer ribbons. With Cardkey Access Card Supply Services vendor must automatically provide predetermined quantities of critical supplies. This service ensures that:
 - 1) Replacement cards are available for lost, stolen, or damaged Cards.
 - 2) New cards are available for employee staffing level changes.
 - 3) Unique printed badges can be produced in a timely fashion.
- B. Requirements:
 - 1) Access Card Services are itemized in the spare parts inventory.
 - 2) Cards and ribbons will be delivered to a designated client Representative at the beginning of each contract year.

4. Cardkey Consultation Services

- A. Establish Objectives
 - 1) Review with Hospital Project Manager current access control and security objectives.
 - 2) Audit specific building locations for operational and security requirements.
 - 3) Determine access control parameters for each location, for both occupied and unoccupied periods.
- B. Access Control Strategies
 - 1) Analyze implemented access control strategies for applicability in achieving operational and security objectives.
 - 2) Analyze and recommend optimal access parameters for maximum operational efficiency.
 - 3) Set and review historical trend data recording and reports, to verify access control during occupied and unoccupied periods.
 - 4) Report on access control strategy effectiveness and make recommendation for improvement.
- C. Day-to-Day Operational Support Needs
 - 1) Analyze the day-to-day informational needs for the operations staff.
 - 2) Assist in the design and implementation of:
 - a. Access groupings and time zone privileges
 - b. Alarm grouping and reporting strategies
 - c. System status displays
 - 3) Assist in the design and implementation of system status and management reports to aid in decision support for the client's management staff.
 - 4) Recommend alternate operational approaches and additional staff training options, as opportunities for enhancements are identified.

5. Cardkey Field Devices

- A. On a Scheduled Basis:
 - 1) Access Modules (Cardreaders)
 - a. Verify valid/invalid card transaction
 - b. Verify proper L.E.D. operation
 - c. Clean exterior surfaces of cardreader
 - d. Clean read head surfaces (where applicable)
 - e. Seasonally validate operation of cardreader heater (where applicable)
 - f. Verify component mounting integrity

2) Electric Locking Devices

- a. Inspect mechanical operation of device, lubricate latching devices as required.
- b. Validate electrical operation of device, test for momentary and maintain active states.
- c. Verify component mounting integrity.
- d. Visually inspect associated door hardware for indication of misalignment and deterioration.

3) Power Supplies

- a. Check L.E.D. indications, D.C. power levels, ground continuity, and where present, measure battery levels and replace as required.
- b. Inspect wiring for signs of corrosion, fraying, and rapid discoloration.
- c. Verify component mounting integrity.

4) Door Position Sensors

- a. Verify door position status monitoring.
- b. Verify component mounting integrity.

5) Request to Exit (REX) Devices

- a. Verify REX Device function for door release and door position sensor bypass as applicable.
- b. Verify component mounting integrity.
- c. Confirm anti-tailgate function.

6) Critical Point Verification

- a. Verify critical point functionality.

B. When and as required, validate functionality of auxiliary devices, such as remote release devices, gate controllers, loop detectors, and fire alarm interfaces. Also, verify the need for possible "Corrective Maintenance" when required.

- III. To provide timely response to emergency service requests and to reduce the costs and disruptions of downtime to the hospital, contractor shall provide access to a Customer Support Center. The center shall be staffed 24 hours a day, 7 days a week by technical staff of Engineering Specialists, who are able to coordinate the response to calls and dispatch field technicians to the Hospital facility. Emergencies will be determined by Hospital staff.
- IV. To reduce the costs and disruptions of downtime to the hospital when an unexpected problem does occur, provide for each year thirty-six (36) four-hour Emergency Onsite Response service calls within two (2) hours upon notification. Provide this service between scheduled service visits 24 hours a day, seven days a week, including holidays. Non-emergency services, as determined by Hospital staff, shall be incorporated into the next scheduled service call. The costs for the annual thirty-six (36) emergency calls shall be identified in *Part II of the Proposal Form*. (This cost is not included in *Part I*.)

PART I, ITEM NO. 2 OF PROPOSAL: Scope of Services for the Testing Maintenance and Repair of the Building Automation Systems

The existing hospital building automation system is a Johnson Controls Metasys System. Contractor shall provide the following services on a turnkey basis, as applicable, on building automation systems of all buildings. Provide all labor, materials and equipment for the three-year contract period. Provide monthly cost in *Part I, Item #2 on Bid Proposal Form*.

A. Basic Services

1. On Monthly Intervals:
 - a. Check monitor for clarity, focus and color.
 - b. Clean Read/Write heads of removable disk drive(s).
 - c. Cycle power operation; listen for unusual motor/bearing noise.
 - d. Verify proper system restart; check system date, time and hardware status.
 - e. Clean exterior surfaces.
 - f. Save/Copy Metasys Workstation Database, including custom graphics and resident NCU.
 - g. Archive Databases.
2. On Each Scheduled Service Visit to the hospital premises:
 - a. Report in with hospital personnel designated by Hospital Project Manager for Building Automation Systems.
 - b. Review Metasys for Critical, follow-up and off-line status indications.
 - c. Review Metasys for Override, disabled and lockout status indications.
 - d. Review System Event Log with customer; discuss Metasys operational concerns.
 - e. Perform or schedule "Corrective Maintenance" procedures as appropriate to resolve situations noted in the preceding reviews.
 - f. Install applicable Metasys software upgrades and problem correction service packs as they become available.
 - g. Provide all Hardware Upgrades as necessary to support software upgrades, and problem correction service packs at six (6) existing BAS hardware locations.

B. Network Control Units/Network Expansion Units

1. On Monthly Intervals:
 - a. Check LED indications to verify proper DC power levels, appropriate Transmit and receive activity on the N1, N2 and L2 trunks, and to check for possible Error Code indications.
 - b. Inspect wiring for signs of corrosion, fraying and rapid discoloration.
 - c. Check voltage level of NCU Battery sub-module.
 - d. Cycle NCU power to initiate Self-Test Diagnostic, Monitor LED sequencing for proper self-test displays or Error Code indications.
 - e. Remove dust from heat sink surfaces.
 - f. Clean Network Terminal Unit (NTU) faceplate and input pad, if present.
 - g. Clean transparent window in door, if appropriate.
 - h. Clean enclosure exterior surfaces.
 - i. Verify the proper operation of critical control processes and points associated with this unit and make adjustments, if necessary.
 - j. Verify/calibrate other points associated with this unit where the need for possible "Corrective Maintenance" is indicated.

C. DX-9100 Application Specific Controller

1. On Monthly Intervals:
 - a. Check for alarm indication on the LCD display panel.
 - b. Evaluate any alarm condition(s) which may be indicated.
 - c. Verify that equipment is being controlled at the appropriate values.
 - d. Change one set point value; verify smooth transition and stable control at new set point.
 - e. Return set point to original value.
 - f. Repeat for each additional control loop, if any.
 - g. Verify that controlled valves and dampers will stroke fully in both directions, sealing tightly where appropriate.
 - h. Verify the proper operation of critical control processes and points associated with this unit, and make adjustments, if necessary.
2. On Bi-Monthly Intervals:
 - a. Verify/calibrate other points associated with this unit where the need for possible "Corrective Maintenance" is indicated.
3. Every Three Years:
 - a. Replace memory retention backup lithium battery at the beginning of the contract term.

D. Air Handling Unit Controller/Unitary Controller

1. On Bi-Monthly Intervals:
 - a. **AHU Application Specific Controller**
 - i. Verify that AHU is being controlled at the appropriate values.
 - ii. Change one set point value; verify smooth transition and stable control at new set point.
 - iii. Return set point to original value.
 - iv. Repeat for each additional control loop, if any.
 - v. Verify that controlled valves and dampers will stroke fully in both directions, sealing tightly where appropriate.
 - vi. Verify the proper operation of critical control processes and points associated with this unit, and make adjustments, if necessary.
 - b. **Unitary Equipment Application Specific Controller**
 - i. Verify that ASC is in control at the desired value(s).
 - ii. Change one set point value; verify smooth transition and stable control at new set point.
 - iii. Return set point to original value.
 - iv. Repeat for each additional control loop, if any.
 - v. Verify that controlled valves and dampers will stroke fully in both directions, sealing tightly where appropriate.
 - vi. Verify the proper operation of critical control processes and points associated with this unit, and make adjustments, if necessary.
 - vii. Verify/calibrate other points associated with this unit where the need for possible "Corrective maintenance" is indicated.

E. ANNUAL FAN TESTING/CALIBRATION SERVICES:

REQUIREMENTS: Maintain total control of fan systems. Work shall be scheduled after hours if required.

1. Inspection, testing, and re-calibration of all of the field devices and controls associated with the 40 fan system.
 - a. Damper, valves, electric-heating stages, DX cooling, Supply/return fan vortex's or Frequency drives.
 - b. Safeties (Supply/Return fan high static and low suction, Temp low limits, pneumatic safeties). Check and recalibrate the trip point of the safeties.
 - c. Record all fan volumes.
 - d. Record all Temp, Humidity, and Safety readings. (Display vs. Actual).
 - e. Fan volumes are retrieved using a Step-Test method. The fans are put through a treadmill test @ 0-25-50-75-100% command.
 - f. Record all velocity pressures at the above treadmill ranges.
 - g. Record the main duct static pressure at approximately 100% command (if achievable).
 - h. Inspect damper and valve stroke at 0-50-100% commands.
 - i. Determine at which points (0-25-50-75-100%) the fan positioners or rotary unions may be lagging (meaning no response @ low end, or the fan is late in pitching up). This sometime creates a problem with return fan tracking or static pressure control.
 - j. Fan Warm-Up/Cool Down and Fire Modes are also tested. (These are done with the House staff involved due to various transition issues with the fan system equipment, i.e.; dampers, vanes, and heating stages).
 - k. Lockout and test floor damper operations to ensure that the commands are bi-directional.
 - l. See response at the controller as well as receive status from the controller to the head-end.
 - i. If requested and approved, run the fan system up to speed and test the High Static and Low suction safeties and their trip points by pressurizing the duct. This is an actual fan run and shutdown test. This method is done to see if the fans and related equipment actually shutdown and transition to the proper levels. (The above relates to tripping the safety using a Digital Manometer with tubing and manually tripping the device with the fan system off).
 - m. Detailed findings captured in a report for the customer
- b. All the above testing shall be done in the equipment room in front of the fan system.**

F. ANNUAL VIBRATION ANALYSIS AND REPORTING SERVICES

1. Provide vibration analysis on each air handler to:
 - a. Reduce Maintenance Costs.
 - b. Reduce secondary damage costs by identifying problems before they cause additional damage.
 - c. Reduce emergency repair costs by predicting equipment failure.
 - d. Reduce energy cost, by decreasing consumption an average of 4 to 7 percent on each piece of equipment.
 - e. Eliminate the need to stock expensive repair parts such as couplers, motors, and bearings.
 - f. Eliminate recurring problems caused by improperly installed and maintained equipment.
 - g. Extend machinery life, an average of 5 to 10 times longer by reducing bearing load and wear.
 - h. Eliminate the need for scheduled teardowns of fans, further reducing your unnecessary equipment purchases and increasing staff efficiency.
 - i. Provide detailed report on each air handler that identifies necessary repairs and/or corrective actions that need to be taken.

G. SEMI-ANNUAL VMA CONTROLLER DIAGNOSTIC AND REPORTING SERVICES:

1. The VMA controller is a very sophisticated and self-diagnosing device. The internal diagnostic features can be called upon to provide valuable performance indicators. This also allows technology to eliminate the cost of labor associated with physically checking out the VAV boxes.
2. In addition to the internal diagnostics, a VAV flow box test will be performed on a semiannual basis. This can help determine if the VMA is maintaining minimum flow for ventilation. It can also check for maximum flow and diagnose a starved box, reversed polarity or a loose setscrew, and be simulated to address any of the controller or airflow issues. This type of service will provide a proactive approach to identify and address problems, as well as help in diagnosing known problem areas.

H. ANNUAL SMOKE CONTROL VERIFICATION SERVICES:

1. Quarterly: – ¼ of the 68 smoke control zones shall be tested. In that way, all zones will be tested once annually to demonstrate conformance with design and all regulatory requirements.
2. Smoke control sequences shall be tested to verify:
 - a. Proper operation of supply and exhaust fans
 - b. Proper air handling unit damper positions
 - c. Correct CFM's are being delivered by the air handling unit to the space
 - d. Mixing boxes are delivering the proper CFM's
3. The Hospital will be responsible for working with contractor during testing to verify proper operation of smoke doors
4. Contractor shall provide written documentation on quarterly basis of successful smoke control operation and will identify all possible "Corrective Maintenance" that may be indicated.

I. TRAINING SERVICES:

- a. Contractor shall work with Chief Engineer to determine skill gaps and training needs and create training plans on an annual basis. Classes to be determined as needed. The training will be coordinated on site or off site locally depending on the curriculum and needs.

- J. To provide timely response to emergency service requests and to reduce the costs and disruptions of downtime to the hospital, contractor shall provide access to a Customer Support Center. The Center shall be staffed 24 hours a day, 7 days per week, by technical staff of Engineering Specialists, who are available to coordinate the response to calls and dispatch field technicians to the Hospital facility. Emergencies will be determined by Hospital staff.

- K. To reduce the costs and disruptions of downtime to the hospital when an unexpected problem does occur, provide for each year twenty-four (24), four-hour Emergency Onsite Response service calls within two (2) hours upon notification. Provide this service between scheduled service visits 24 hours a day, seven days a week, including holidays. Non-emergency services, as determined by Hospital staff, shall be incorporated into the next scheduled service call. The costs for the annual twenty-four (24) emergency calls shall be identified in *Part II of the Proposal Form*. (This cost is not included in *Part I Services*.)

PART I, ITEM NO.3-10 OF PROPOSAL: Scope of Services for Testing, Maintenance and Repair of Fire Alarm Systems in John H. Stroger Jr. Hospital, Fantus Clinic Building, Fantus MRI Building, CORE Center, Administration Building, Hektoen Building, and Durand Building, and 12 KV Building

Provide monthly costs in Part I, Item #3, #4, #5, #6, #7, #8, #9 & #10 on Proposal Form.

- A. Contractor shall provide all qualified labor necessary to complete the testing, maintenance and repair of the fire alarm devices identified in Attachment #3. The testing and maintenance shall achieve the following:

1. Improve and maintain occupant safety.
2. Reduce operating expenses.
3. Mitigate business losses and litigation exposure.
4. Full compliance with regulatory testing and maintenance requirements.
5. Extend the life of the fire alarm system and defer premature capital expenditures.
6. Maintenance will be performed on a consistent and systematic basis.
7. Maximize the protection of life and property through routine testing.
8. Trouble/nuisance alarms will be reduced resulting in increased occupant satisfaction and less demand on Hospital personnel. Nuisance alarms can be a major disruption to the Hospital operations. They can also affect the productivity of operations and maintenance staff who have to track down, troubleshoot and correct these alarms or trouble conditions.
9. Elimination or reduction of Fire Department fines due to excessive false alarms requiring fire department response.
10. Testing documentation, provided after each test, satisfies the local authority's requirements for proof of system testing and maintenance.

- B. The testing and maintenance of the fire alarm system shall be performed in coordination with Hospital staff and within Hospital scheduled requirements. The contractor shall provide all labor and materials to complete testing, maintenance and repair.

- C. The testing and maintenance of the fire alarm system shall be conducted to demonstrate and document the working inter-relationship with the building automation system and the security system. This testing and maintenance shall include but is not limited to:

1. Stairwell door strikes
2. Automatic door operators
3. Ventilation (fan) shutdown
4. Damper operation in HVAC system
5. Magnetic door holders
6. Automatic fire shutter doors

- D. The testing and maintenance of the stairwell door strikes shall be conducted to assure compliance with The City of Chicago Building code and other applicable regulatory requirements. Testing and maintenance shall be conducted at a minimum of quarterly intervals per the inventory in Attachment #4.

- E. The testing and maintenance of all automatic door operators shall be conducted to assure regulatory compliance. Testing and maintenance shall be conducted at a minimum of quarterly intervals per the inventory in Attachment #5.

- F. This contract shall not include mechanical repairs to the automatic door operators and dampers.

- G. As designated testing agent, contractor shall perform the required annual test and inspection of the fire alarm systems, using NFPA recommended test frequencies and methods. Testing shall take into consideration the AHJ (Authority Having Jurisdiction) requirements, local ambient conditions and the manufacturers recommendations. NFPA 72 recommended test methods and frequencies as a minimum guideline for system testing. A visual inspection of every device in the List of Maintained Equipment will be performed to ensure that no facility changes have occurred which could affect equipment or system performance of the original design.
- H. Complete documentation of testing and a report of any deficiencies shall be presented within fourteen (14) days after the completion of the work. Testing shall be performed regularly throughout the year on a semi-annual basis with contractor providing all necessary labor and equipment. Accomplish 100% inspection & test of all devices annually in accord with the minimum test frequency required by NFPA 70, National Electrical Code, and NFPA 72, National Fire Alarm Code.
- I. Smoke Detector Sensitivity testing shall be performed, in accordance with NFPA 72 guidelines, using the manufacturer's recommended test methods and UL approved testing device. Testing shall be performed regularly throughout the year on a semi-annual basis with contractor providing all necessary labor and equipment. This will accomplish 100% inspection & test of all devices annually in accord with the minimum test frequency required by NFPA 72. Provide the necessary documentation to satisfy the AHJ. Provide an analysis of the report, along with recommendations for detectors that either requires cleaning or replacement.
- J. Facility emergency response personnel are often the first line of defense in the event of an emergency. Specialized training ensures the highest level of confidence in interfacing with the system and the development of corresponding emergency action plans. Site-specific training programs for the fire alarm and life safety system needs are to be provided as part of this contract. A total of six (6) (Part I) training sessions of four (4) hours each, at approximately six-month intervals, shall be conducted on-site by a manufacturer's certified training representative during the three-year term of the contract. Training shall be scheduled with the Hospital Project Manager for the fire alarm systems.
- K. During the course of scheduled test and inspection visits, deliver a program of cleaning, recalibrating and retesting fire alarm system components when necessary to ensure continuous system performance and reduce the risk of component or system failure. During scheduled visits make minor repairs, such as the replacement of faulty detectors or damaged devices. The cost of materials shall be based on a list of fixed prices, which is included in *Part III of the Proposal Form*. The list of fire alarm devices is contained in Attachment #3.
- L. Only original replacement components, manufactured by the original equipment manufacturer or other compatible components shall be used in order to preserve Underwriters Laboratories (U.L.) Listings and meet NFPA requirements.
- M. Provide trained service personnel to assess the repair situation, schedule and perform necessary system repairs or component replacement and return the system to normal operating condition and to provide adequate protection for the facility.

- N. To provide timely response to emergency service requests and to reduce the costs and disruptions of downtime to the hospital, contractor shall provide access to a Customer Support Center. The Center shall be staffed 24 hours a day, 7 days per week, by technical staff of Engineering Specialists, who are available to coordinate the response to calls and dispatch field technicians to the Hospital facility. Emergencies will be determined by Hospital staff.
- O. To reduce the costs and disruptions of downtime to the hospital when an unexpected problem does occur; provide for each year thirty-six (36) four-hour Emergency Onsite Response service calls within two (2) hours upon notification. Provide this service between scheduled service visits 24 hours a day, seven days a week, including holidays. Non-emergency services, as determined by Hospital staff, shall be incorporated into the next scheduled service call. The costs for the annual thirty-six (36) emergency calls shall be identified in *Part II of the Proposal Form*. (This cost is not included in *Part I Services*.)
- P. The following is a summary list of equipment of fire alarm systems at John H. Stroger, Jr. Hospital and testing frequency covered in this contract. Contractor shall verify and document quantities and frequencies of testing.

<u>Qty.</u>	<u>Equipment</u>	<u>Manufacturer</u>	<u>Frequency</u>
54	Fire Alarm Control Panels	EST	Annually
1200	Smoke Detectors	EST	Annually
475	Duct Detectors	EST	Annually
25	Heat Detectors	EST	Annually
450	Manual Pull Stations	EST	Annually
3900	Audio/Visual Devices	EST	Annually
50	Water Flow Switch Relays	EST	Semi-Annually
50	Valve Tamper Switches Relays	EST	Semi-Annually
700	Control Module Relays	EST	Annually
45	Firephone handsets	EST	Annually

- Q. The Contractor shall provide the Hospital with a list of names of factory trained technicians who will perform the testing, maintenance and repairs on these systems. All service technicians shall be factory trained by the manufacturer of the specific systems. The contractor also shall provide a service directory of key contact persons and their 24/7 access telephone numbers.

PART I, ITEM NO. 11 OF PROPOSAL: Scope of Services for Testing, Maintenance and Repair of Fire Shutter Doors in John H. Stroger, Jr. Hospital

- A. The contractor shall provide trained and qualified labor, materials and equipment as necessary to complete the turnkey testing, maintenance and repair of the fire shutter doors identified in Attachment #6.
- B. Preventative maintenance of fire shutter doors shall include inspection and verification of the proper operation of each fire shutter door. The preventative maintenance of each and every fire shutter door shall be completed in semi-annual cycles and shall include, but is not limited to, the following.
 - 1. Test smoke control operation.
 - 2. Verify signal to fire alarm panel and shutter closure.
 - 3. Test safety bump stops (door returns).
 - 4. Test battery back-up voltage and capacity.
 - 5. Test fire fly release by simulation.
 - 6. Adjust sensitivity of components as required or as indicated by test results, or as dictated by location of shutter.
- C. The testing and maintenance of the fire shutter doors shall be performed in coordination with Hospital staff and in compliance with schedule requirements of Hospital staff.
- D. The testing and maintenance of the fire shutter doors shall be conducted to demonstrate and document the proper working interrelationship with the building automation system, the security system and the fire alarm system.
- E. Complete documentation of tests and a report on any deficiencies found on a shutter door and the follow-up actions shall be submitted to Hospital within fourteen (14) calendar days after the completion of the test. Testing of 100% of the fire shutter doors shall be performed regularly throughout the year to meet a semi-annual testing frequency for each door.
- F. During the course of scheduled test and inspection visits, contractor shall provide labor, materials, equipment and replacement parts or assemblies to make the necessary repairs to return the shutter doors to normal operating conditions and to provide adequate protection to the facility.
- G. Submit the monthly cost of these services in *Part I, Item #11 of the Bid Proposal Form*.

PART I, ITEM NO. 12 OF PROPOSAL: Scope of Services for Testing, Maintenance and Repair of Two-Way Radios and Radio Transmission System

- A. The hospital utilizes two-way radios to communicate during the testing of various building systems and during emergency operations.
- B. Contractor shall subcontract and pay for a qualified local radio equipment service provider to provide labor, materials, equipment and pick-up and delivery services necessary for the testing, maintenance and repair of the following non-hospital police radios and radio transmission equipment with three non-police hospital frequencies and hospital police radios with hospital police frequencies.
 - 1. Buildings and Grounds 2-way base station radio in Powerhouse with 3 frequencies (Channels 1, 2 and 3).
 - 2. Buildings and Grounds 2-way portable radios with 3 frequencies (Channels 1, 2 and 3).
 - 3. Emergency/Trauma Departments 2-way portable radios with 2 frequencies (Channels 2 and 3).
 - 4. Stroger Hospital Police Department 2-way portable radios with "police" frequencies.
 - 5. Repeaters.
 - 6. Combiner/Multicoupler.

- C. The inventory of portable radios is intended to show the number of radios to be covered under this contract. The Hospital reserves the right to replace or substitute any of the radios with newer models within the overall number of radios and such replacement or substitute radios shall be considered part of the inventory.
- D. Preventative maintenance of radio equipment shall include the following.
1. Verification of frequency settings (on or off set)
 2. Transmit power out
 3. Proper receive sensitivity
 4. Proper deviations
 5. General cleaning
 6. Check batteries and change batteries as needed.
- E. Perform preventative maintenance of each portable radio at least once every twelve (12) months, commencing within 30 days after contract award.
- F. In addition to preventative maintenance activities outlined in Paragraph D above, the preventative maintenance service shall include system optimization and analyzation for radio transmission equipment, such as signal repeaters or the combiner/multicoupler, to be performed every eight (8) months, with the first service visit to occur within the first thirty (30) days after the contract award. This service shall include a thorough Antenna Line and Cavity Filter Sweep, along with Telephone Line (end-to-end) Sweep which verifies proper level and connectivity settings. Test, calibrate and clean equipment during each visit.
- G. To reduce costs and disruptions of downtime to the hospital's operations, when an unexpected problem does occur with any of the radio transmission equipment, such as signal repeaters or the combiner/multi-coupler, provide emergency on-site service responses within two (2) hours after notifications of contractor's (or subcontractor's) Customer Support Center.
- H. Services to pick up and deliver radio equipment for repair shall be included in the subcontract.
- I. TWO-WAY RADIO SYSTEM INVENTORY

1. RADIOS

ITEM NO.	MANUFACTURER	MODEL	QUANTITY	DEPARTMENT
1	Motorola	Radius CM200	1	Buildings and Grounds
2	Motorola	Radius CP200XLS	1	Buildings and Grounds
3 - 67	Motorola	Radius CP200	65	Buildings and Grounds
68 - 75	Motorola	Radius P1225	8	Buildings and Grounds
76 - 83	Motorola	Radius CP200	8	Emergency/Trauma
84 - 90	Motorola	Radius P1225	7	Emergency
91 - 118	Motorola	Radius CP200XLS	28	Stroger Hospital Police

**2. RADIO
TRANSMISSION
SYSTEM
EQUIPMENT**

- a. Three (3) MTR 2000 Repeaters
 - b. One (1) Combiner/Multi-coupler
- J. The contractor shall provide services to submit necessary application and pay for FCC license renewal of the Stroger Hospital "Police Frequencies" (Call sign: KVZ925; Expiration date: 2 December 2013). The other Stroger Hospital Frequencies (Call sign: WQKQ201) has an expiration date of 7 August 2019.
- K. Submit the monthly cost of these services in *Part I, Item #12 of the Bid Proposal Form*.

PART II SERVICES

A. Emergency Service Calls Required

1. Security Systems

- a. To reduce the costs and disruptions of downtime to the hospital when an unexpected problem does occur, provide for each year thirty-six (36) four-hour Emergency Onsite Response service calls within two (2) hours upon notification. Provide this service between scheduled service visits 24 hours a day, seven days a week, including holidays. Non-emergency services, as determined by Hospital staff, shall be incorporated into the next scheduled service call. The costs for the annual thirty-six (36) emergency calls shall be identified in *Part II of the Proposal Form*.

2. Building Automation Systems

- a. To reduce the costs and disruptions of downtime to the hospital when an unexpected problem does occur, provide for each year twenty-four (24), four-hour Emergency Onsite Response service calls within two (2) hours upon notification. Provide this service between scheduled service visits 24 hours a day, seven days a week, including holidays. Non-emergency services, as determined by Hospital staff, shall be incorporated into the next scheduled service call. The costs for the annual twenty-four (24) emergency calls shall be identified in *Part II of the Proposal Form*.

3. Fire Alarm Systems

- a. To reduce the costs and disruptions of downtime to the hospital when an unexpected problem does occur, provide for each year thirty-six (36) four-hour Emergency Onsite Response service calls within two (2) hours upon notification. Provide this service between scheduled service visits 24 hours a day, seven days a week, including holidays. Non-emergency services, as determined by Hospital staff, shall be incorporated into the next scheduled service call. The costs for the annual thirty-six (36) emergency calls shall be identified in *Part II of the Proposal Form*.

B. Additional Hours Provided for Training Services

- 1. Training courses, over and above the training specified in the applicable sections of *Part I Services*, shall be provided at the specific system manufacturer's corporate training facility.

The courses to be offered shall be specific to each applicable system (e.g., Metasys System, HVAC, fire alarm, or security). The contractor shall assist the respective Hospital Project Managers in determining the courses needed on a continuing basis. The respective Hospital Project Manager for each system will determine the number of specific hospital personnel who will be assigned to receive the prescribed training.

C. Scope of Services for Arc Flash Study Program

1. Contractor shall subcontract with a qualified testing company to provide labor, materials, equipment and appurtenances to perform arc flash program, in certain buildings on the hospital campus.
2. The Testing Subcontractor shall have a minimum of five (5) years of demonstrated satisfactory experiences on arc flash program of comparable scope and complexity and must meet the specifications contained herein to be an acceptable testing company.
3. Within sixty (60) days after the award of this contract, the contractor shall submit Testing Subcontractor's proposed work schedule for review.
4. Arc flash program shall commence within the first ninety (90) days of the contract duration and shall continue with reasonable progress until completion of each building and each successive building in accord with the specified priority.
5. Submit the per-building costs of these services in Part II, Item D of the Proposal Form.

Arc Flash Study Program Specifications

1.01 OBJECTIVE

A. The purpose of this project is to provide a complete arc flash study program for certain buildings on the STROGER HOSPITAL campus to help protect individuals working on its premises from electrical arc flash hazards. These individuals may include any workers, who inspect, maintain or operate energized electrical equipment. The buildings shall include the Administration Building, Hektoen Building, Fantus Clinic, Fantus Outpatient Imaging Center, the CORE Center, Stroger Hospital and the Powerhouse.

B. The program shall bring the buildings on the STROGER HOSPITAL campus into compliance with the applicable standards for new installations (NEC) and for worker safety in operating facilities (OSHA 29 CFR 1910, NFPA 70E-2012).

C. The program shall assist STROGER HOSPITAL with improving the reliable operation of the electrical system.

1.02 PROJECT SCOPE

A. System Data

The subcontractor shall obtain up to date electrical system single-line diagram as required by NFPA 70E, 2004 Edition, "Standard for Electrical Safety in the Workplace" as referenced in OSHA 29 CFR 1910 Subpart s, Appendix A. This information shall include nameplate data for electrical components (e.g. transformers, medium voltage switchgear, panelboards, switchboards, motor control center, etc) for all portions of the electrical system from the utility intertie through the lowest rated panel.

Cable sizes, types and lengths between electrical equipment components and up to date utility source data shall be provided for an accurate single-line representation of the electrical system. Unique characteristics of the equipment installation shall be provided which may impact the magnitude of the potential hazard (e.g. open space versus enclosure). Overcurrent device settings shall be verified.

Data collection may require removal of barriers, opening of front panels, etc. while equipment is energized. The subcontractor must provide proof (written documentation) that its employees working on the premises of STROGER HOSPITAL campus have been properly trained in the use and application of personal protective equipment (PPE) and the hazards of working on or near energized equipment. The subcontractor must provide its own PPE protection with a minimum arc thermal performance rating (ATPV) of 40 calories/cm².

B. System Analysis

A comprehensive analysis of the electrical systems in the designated buildings on the Stroger Hospital campus shall be performed for all equipment 480 volt and higher and 240 volt served by a 112.5kVA or larger transformer based on the up to date single-line diagram obtained from "Section A". This analysis shall include the following:

1. Short Circuit Study – A short circuit analysis shall be performed in accordance with ANSI standard C37 and IEEE standard 141-1993 (Red Book) for each electrical component as defined in "Section A".

2. Coordination Study – A coordination study shall be performed in accordance with IEEE 242-2001 "Buff" to determine the proper overcurrent device settings that will balance system reliability through selective coordination while minimizing the magnitude of an electrical arc flash hazard incident.
3. Incident Energy Study – An incident energy study shall be done in accordance with the IEEE 1584-2004a, "IEEE Guide for Performing Arc Flash Hazard Calculations" as referenced in NFPA 70, "Standard for Electrical Safety in the Workplace", 2004 Revision, in order to quantify the hazard for selection of personal protective equipment (PPE). Tables that assume fault current levels and clearing time for proper PPE selection are not acceptable. The supplier shall assist CCHHS STROGER HOSPITAL in selecting appropriate combinations of PPE prior to the final analysis and preparation of equipment labels.

C. Design Review

The subcontractor shall assist STROGER HOSPITAL with system design adjustments to optimize the results of the study as it relates to safety and reliable electrical system operation (e.g. overcurrent device settings, working distances, current limiting devices). This includes mitigation, where possible, of incident energy levels that exceed 40 calories/cm². A qualified engineer with power systems design experience shall provide this assistance.

D. Study Report

The supplier shall supply a comprehensive report that includes:

- Report summary with analysis methodology, findings and recommendations
- Summary of input data for utility source, equipment and cables
- Available fault current at each equipment location with comparison to equipment rating
- Overcurrent device settings (e.g. pick-up, time delay, curve), "as found" and "as recommended"
- Incident energy level (calories/cm²) for each equipment location and recommended PPE
- Overcurrent device coordination curves including related section of the single-line diagram
- Complete system single-line diagram to the system analyzed

E. Labels

Based on the results of the incident energy study, the supplier shall produce and install a warning label (orange <40 cal/cm²) or danger label (red >40 cal/cm²) for each piece of equipment as specified in "Section A" in accordance with ANSI Z535.4-2002. The label must be readable in both indoor and outdoor environments for at least 3 years and contain the following information:

- Arc hazard boundary (inches)
- Working distance (inches)
- Arc flash incident energy at the working distance (calories/cm²)
- PPE category and description including the glove rating
- Voltage rating of the equipment
- Limited approach distance (inches)
- Restricted approach distance (inches)
- Prohibited approach distance inches)
- Equipment/bus name
- Date prepared
- Supplier name and address

F. Equipment Verification/Operation

The validity of the arc flash study and incident energy readings is in part based on proper setting of overcurrent device trip times and the proper operation of the overcurrent devices and breakers at the request of CCHHS STROGER HOSPITAL using InterNational Electrical Testing Association (NETA) qualified technicians.

The subcontractor shall be capable of adjustment, maintenance, repair or replacement of overcurrent devices or breakers as required to support the performance of the electrical system in line with the expectations of the system study.

G. Safety Training

The subcontractor shall provide STROGER HOSPITAL at least a one-day of arc flash safety training that contains the requirements referenced in OSHA 1910.269, OSHA 1910 S and NFPA 70E.

Subcontractor shall provide a second day of training if required by Hospital personnel.

This shall include:

- Proper use of the system analysis data
- Interpretation of hazard labels
- Selection and utilization of personal protective equipment
- Safe work practices and procedures

The subcontractor shall provide STROGER HOSPITAL an outline of the one-day training course including training materials. STROGER HOSPITAL at its discretion may require additional training customized to its specific needs. The subcontractor shall be capable of developing and presenting customized training as required.

The subcontractor shall provide a training certificate to record satisfactory completion by STROGER HOSPITAL employees for continuing education credits and re-licensing requirements. Satisfactory completion is defined as the student obtaining a minimum of 70% on the post training examination and the ability to work safely if a hands-on performance evaluation is provided.

H. Safety Documentation/Policy

At the request of STROGER HOSPITAL, the subcontractor shall integrate the results of the system study and design review into the safety manual of STROGER HOSPITAL in compliance with OSHA CFR 29 1910.333. The subcontractor shall assist STROGER HOSPITAL at its request to develop a safety policy with corresponding documentation and procedures including information gained in the system analysis.

This includes electrical safety, procedures for mitigation of arc hazards, PPE selection based on specific equipment on the STROGER HOSPITAL campus, task and training requirements.

1.03 QUALITY ASSURANCE

- A. The subcontractor shall provide all necessary material, equipment, labor and technical supervision to perform the arc flash hazard analysis as described herein.
- B. The subcontractor shall utilize engineers and technicians who are experienced and regularly perform electrical power system studies, data collection and testing.
- C. The subcontractor shall be based in Cook County, Illinois, be a Charter Member of the InterNational Electrical Testing Association (NETA), provide NETA Certified Technicians for data collection, and be members of the IBEW.
- D. Personnel performing the arc flash analysis shall be trained and experienced in accordance with NETA Training Specifications concerning the apparatus and systems being evaluated. These individuals shall be capable of conducting the tasks of the analysis in a safe manner and with complete knowledge of the hazards involved.

1.04 SAFETY AND PROCEDURAL REQUIREMENTS

- A. The subcontractor must provide proof (written documentation) that its employees working on the premises of STROGER HOSPITAL campus have been properly trained in the use and application of personal protective equipment (PPE) and the hazards of working on or near energized equipment. The subcontractor must provide its own PPE protection with at minimum arc thermal performance rating (ATPV) of 40 calories/cm².
- B. Safety practices that shall be followed include, but are not limited to, the following:
 - Occupational Safety and Health Act
 - Accident Prevention manual for Industrial Operations, National Safety Council
 - Applicable state and local safety operating procedures
 - Owner's safety practices
- C. Perform all work in accordance with the applicable codes and standards of the following agencies except as provided otherwise herein:
 - 1. InterNational Electrical Testing Association – NETA ATS latest Edition: Acceptance Testing Specifications, and/or NETA MTS latest Edition: Maintenance Testing Specifications.
 - 2. National Fire Protection Association (NFPA)
 - a. ANSI/NFPA 70: National Electrical Code
 - b. ANSI/NFPA 70B: Recommended Practice for Electrical Equipment Maintenance
 - c. NFPA 70E: Electrical Safety Requirements for Employee Workplaces

D. Scope of Services for Medium AND Low Voltage Equipment Maintenance Testing

- 1. Contractor shall subcontract with a qualified testing company to provide labor, materials, equipment and appurtenances to perform Medium and Low Voltage Equipment Maintenance Testing, in certain buildings on the hospital campus.
- 2. The Testing Subcontractor shall have a minimum of five (5) years of demonstrated satisfactory experiences on Medium and Low Voltage Equipment Maintenance Testing of comparable scope and complexity and must meet the specifications contained herein to be an acceptable testing company.
- 3. Within sixty (60) days after the award of this contract, the Contractor shall submit Testing Subcontractor's proposed work schedule for review.
- 4. Medium and Low Voltage Equipment Maintenance Testing shall commence within the first one hundred and fifty (150) days of the contract duration and shall continue with reasonable progress until completion of each building and each successive building in accord with the specified priority.
- 5. Submit the per-building costs of these services in *Part II, Item E of the Proposal form*.

MEDIUM AND LOW VOLTAGE EQUIPMENT MAINTENANCE TESTING SPECIFICATIONS

PART 1 GENERAL

1.01 SCOPE

The following Specifications are provided to define BOTH Medium and Low Voltage Equipment Maintenance Testing Services for all designated buildings that are located on the STROGER HOSPITAL campus. These buildings include the ADMINISTRATION BUILDING, HEKTOEN BUILDING, FANTUS CLINIC, FANTUS IMAGING OUTPATIENT IMAGING CENTER, CORE CENTER, STROGER HOSPITAL and the POWERHOUSE.

1.02 REQUIREMENTS

- A. The subcontractor or Testing Services company shall provide all project management, field engineering, supervision, labor, material, tools, rentals, test equipment and transportation as defined by these specifications for a complete and comprehensive testing program for all MEDIUM VOLTAGE (5 AND 15kV Nominal) Switches, Breakers and associated protective Relays, including all Voltage, Over-current and Differential type; PLUS all LOW VOLTAGE Molded Case, Air Power and Insulated Case, 600 Volt and smaller breakers, rated 250 amps and larger.
- B. The subcontractor or Testing Services company shall be based in Cook County, Illinois, be a Charter Member of the Inter-National Electrical Testing Association (NETA), provide NETA Certified Test Technicians, be members of the IBEW, and have been providing similar Testing Services for a period no less than ten (10) years.
- C. The subcontractor or Testing Services company shall perform a MANDATORY comprehensive walk-through and provide a complete equipment inventory of all devices that will be tested under this contract.
- D. All testing shall be as listed in Section 2.01 of Item D.
- E. Comprehensive Test Reports shall be furnished using the Power DB reporting format and shall be provided within two weeks of testing completion.
- F. Any breakers, switches or protective relays that either fail test or are found to be deficient during inspection shall immediately be brought to the attention of the Electrical Shop personnel in Stroger Hospital for disposition. The subcontractor or Testing

Services company shall provide reasonable pricing for the provision of Spare Parts and/or Spare Breakers that may be needed to address any deficiencies uncovered.

1.03 REFERENCES

- A. All Medium and Low Voltage Equipment shall be tested in accordance with the applicable sections of:
 - 1. ANSI C37.59-1996
 - 2. ANSI C37.16
 - 3. ANSI C37.20.1
 - 4. ANSI C37.50
 - 5. ANSI C37.100
 - 6. IEEE STD 4-1995
 - 7. ANSI/NFPA 70 (NEC)

1.04 TRAINING

- A. The subcontractor or Testing Services Company shall provide training on the operation and maintenance of all devices tested including baseline trending for future maintenance programs.

2.01 TESTING REQUIREMENTS

- A. The Testing Requirements for this program shall be as follows:

2.01.1 INSPECTION AND TEST PROCEDURES for Switches, Air, Medium-Voltage, Metal-Enclosed

A. Visual and Mechanical Inspection

- 1. Inspect physical and mechanical condition.
- 2. Inspect anchorage, alignment, grounding, and required clearances.
- 3. Prior to cleaning the unit, perform as-found tests, if required.
- 4. Clean the unit.
- 5. Verify correct blade alignment, blade penetration, travel stops, and arc interrupter operation and mechanical operation.
- 6. Verify that fuse sizes and types are in accordance with documentation; short-circuit studies and coordination study.
- 7. Verify that expulsion-limiting devices are in place on all fuses having expulsion-type elements.
- 8. Verify that each fuse-holder has adequate mechanical support and contact integrity.

9. Inspect bolted electrical connections for high resistance using one of the following methods:
 - a. Use of a low-resistance ohmmeter in accordance with NETA Section 7.5.1.2.2.
 - b. Verify tightness of accessible bolted electrical connections by calibrated torque-wrench method in accordance with manufacturer's published data or **Table 100.12**.
10. Verify operation and sequencing of interlocking systems.
11. Verify that phase-barrier mounting is intact.
12. Verify correct operation of all indicating and control devices.
13. Use appropriate lubrication on moving current-carrying parts and on moving and sliding surfaces.
14. Perform as-left tests.

B. Electrical Tests

1. Perform resistance measurements through bolted connections with a low-resistance ohmmeter, if applicable, in accordance with NETA Section 7.5.1.2.1.
2. Measure contact resistance across each switchblade assembly and fuse-holder.
3. Perform insulation-resistance tests for one minute on each pole, phase-to-phase and phase-to-ground with switch closed and across each open pole. Apply voltage in accordance with manufacturer's published data. In the absence of manufacturer's published data, use **Table 100.1 in NETA MTS-2009**.
4. Perform an over-potential test on each pole with switch closed. Test each pole-to-ground with all other poles grounded. Test voltage shall be in accordance with manufacturer's published data or **Table 100.2 in NETA MTS-2009**.
5. Measures fuse resistance.
6. Verify heater operation.

C. Test Values

C.1 Test Values – Visual and Mechanical

1. Compare bolted connection resistance values to values of similar connections. Investigate values which deviate from those of similar bolted connections by more than 50 percent of the lowest value. (NETA Section (7.5.1.2.1.9.1))
2. Bolt-torque levels should be in accordance with manufacturer's published data. In the absence of manufacturer's published data, use NETA **Table 100.12**. (7.5.1.2.1.9.2)

C.2 Test Values – Electrical

1. Compare bolted connection resistance values to values of similar connections. Investigate values which deviate from those of similar bolted connections by more than 50 percent of the lowest value.
2. Microhm or millivolt drop values should not exceed the high levels of the normal range as indicated in the manufacturer's published data. If manufacturer's data is not available, investigate values that deviate from adjacent poles or similar switches by more than 50 percent of the lowest value.
3. Insulation-resistance values should be in accordance with manufacturer's published data. In the absence of manufacturer's published data, use NETA **Table 100.1**. Values of insulation resistance less than this table or manufacturer's recommendations should be investigated. Over-potential tests shall not proceed until insulation-resistance levels are raised above minimum values.
4. If no evidence of distress or insulation failure is observed by the end of the total time of voltage application during the over-potential test, the test specimen is considered to have passed the test.
5. Investigate fuse resistance values that deviate from each other by more than 15 percent.
6. Heaters should be operational.

2.01.2 INSPECTION AND TEST PROCEDURES for Circuit Breakers, Vacuum, Medium-Voltage

A. Visual and Mechanical Inspection

1. Inspect physical and mechanical condition.
2. Inspect anchorage, alignment, and grounding.
3. Verify that all maintenance devices are available for servicing and operating the breaker.
4. Prior to cleaning the unit, perform as-found tests, if required.
5. Clean the unit.
6. Inspect vacuum bottle assemblies.
7. Measure critical distances such as contact gap as recommended by the manufacturer.
8. If recommended by the manufacturers, slow close/open the breaker and check for binding, friction, contact alignment, contact sequence, and penetration.
9. Perform all mechanical operation tests on the operating mechanism in accordance with manufacturer's published data.
10. Inspect bolted electrical connections for high resistance using one of the following methods:
 - a. Use of a low-resistance ohmmeter in accordance with Section 7.6.3.2.2.
 - b. Verify tightness of accessible bolted electrical connections by calibrated torque-wrench method in accordance with manufacturer's published data. In the absence of manufacturer's published data, use **NETA Table 100.12**.
11. Verify cell fit and element alignment.
12. Verify racking mechanism operation.
13. Inspect vacuum bellows operation.
14. Use appropriate lubrication on moving current-carrying parts and on moving and sliding surfaces.
15. Perform as-left tests.
16. Record as-found and as-left operation counter readings.

B. Electrical Tests

1. Perform resistance measurements through bolted connections with a low-resistance ohmmeter, if applicable, in accordance with Section 7.6.3.1.10 in NETA MTS-2009.
2. Perform insulation-resistance tests for one minute on each pole, phase-to-phase and phase-to-ground with circuit breaker closed and across each pole with the breaker open. Apply voltage in accordance with manufacturer's published data. In the absence of manufacturer's published data, use NETA **Table 100.1**.
3. Perform a contact/pole-resistance test.
4. With breaker in a test position, perform the following tests:
 1. Trip and close breaker with the control switch.
 2. Trip breaker by operating each of its protective relays.
 3. Verify mechanism charge, trip-free, and anti-pump functions.
 4. Perform minimum pickup voltage tests on trip and close coils in accordance with NETA **Table 100.20**.
 5. Perform a vacuum bottle integrity (over-potential) test across each vacuum bottle with the breaker in the open position in strict accordance with manufacturer's published data. **Do not exceed maximum voltage stipulated for this test.** Provide adequate barriers and protection against x-radiation during this test. Do not perform this test unless the contact displacement of each interrupter is within manufacturer's tolerance. (Be aware that some dc high-potential test sets are half-wave rectified and may produce peak voltages in excess of the breaker manufacturer's recommended maximum.)
 6. Perform an over-potential test on each phase with the circuit breaker closed and the poles not under test grounded. Test voltage should be in accordance with manufacturer's published data. In the absence of manufacturer's published data use NETA **Table 100.19**.

C. Test Values

C.1 Test Values – Visual and Mechanical

1. Mechanical operation and contact alignment should be in accordance with manufacturer's published data. (NETA 7.6.3.1.9.8)
2. Compare bolted connection resistance values to values of similar connections. Investigate values which deviate from those of similar bolted connections by more than 50 percent of the lowest value. (NETA 7.6.3.1.10.1)
3. Bolt-torque levels should be in accordance with manufacturer's published data. In the absence of manufacturer's published data, use NETA **Table 100.12**. (7.6.3.1.10.2)

C.2 Test Values – Electrical

1. Compare bolted connection resistance values to values of similar connections. Investigate values which deviate from those of similar bolted connections by more than 50 percent of the lowest value.
2. Insulation-resistance values of circuit breakers should be in accordance with manufacturer's published data. In the absence of manufacturer's published data use NETA **Table 100.1**. Values of insulation resistance less than this table or manufacturer's recommendations should be investigated.
3. Insulation-resistance values of control wiring should be comparable to previously obtained results but not less than two megohms.
4. Microhm or millivolt drop values shall not exceed the high levels of the normal range as indicated in the manufacturer's published data. If manufacturer's data is not available, investigate values that deviate from adjacent poles or similar breakers by more than 50 percent of the lowest value.
5. Breaker mechanism charge, close, open, trip, trip-free, and anti-pump features shall function as designed.
6. Minimum pickup for trip and close coils shall be in accordance with manufacturer's published data. In the absence of manufacturer's data, refer to **Table 100.20**.
7. If no evidence of distress or insulation failure is observed by the end of the total time of voltage application during the vacuum bottle integrity test, the test specimen is considered to have passed the test.
8. If no evidence of distress or insulation failure is observed by the end of the total time of voltage application during the over-potential test, the test specimen is considered to have passed the test.

2.01.3 INSPECTION AND TEST PROCEDURES Protective Relays, Microprocessor and/or Electro-mechanical Design

A. Visual and Mechanical Inspection

1. Record model number, style number, serial number, firmware revision, software revision, and rated control voltage.
2. Download all events from the event recorder in filtered and unfiltered mode before performing any tests on the relay. Download the sequence-of-events recorder prior to testing the relay.
3. Verify operation of light-emitting diodes, display, and targets.
4. Record passwords for all access levels.
5. Clean the front panel and remove foreign material from the case.
6. Check tightness of connections.

7. Verify that the frame is grounded in accordance with manufacturers instructions.
8. Download settings from the relay. Print a copy of the settings for the report and compare the settings to those specified in the coordination study or other setting document.

B. Electrical Tests

1. Perform insulation-resistance tests from each circuit to the grounded frame in accordance with manufacturer's published data.
2. Apply voltage or current to all analog inputs and verify correct registration of the relay meter functions. Check operation of each element used in the protection scheme as described for electromechanical and solid-state relays in NETA MTS Section 7.9.1.3.

2.01.4 Circuit Breakers, Air, Insulated-Case/Molded-Case

A. Visual and Mechanical Inspection

1. Inspect physical and mechanical condition.
2. Inspect anchorage and alignment.
3. Prior to cleaning the unit, perform as-found tests, if required.
4. Clean the unit.
5. Operate the circuit breaker to insure smooth operation.
6. Inspect bolted electrical connections for high resistance using one of the following methods:
 - a. Use of a low-resistance ohmmeter in accordance with NETA Standards.
 - b. Verify tightness of accessible bolted electrical connections by calibrated torque-wrench method in accordance with manufacturer's published data or NETA Table 100.12.
7. Inspect operating mechanism, contacts, and arc chutes in unsealed units.
8. Perform adjustments for final setting in accordance with coordination study provided by end user.
9. Perform as-left tests.
10. Reset all trip logs and indicators.

B. Electrical Tests

1. Perform resistance measurements through bolted connections with a low-resistance ohmmeter, if applicable, in accordance with NETA Standards
2. Perform insulation-resistance tests for one minute on each pole, phase-to-phase and phase to ground with the circuit breaker closed, and across each open pole. Apply voltage in accordance with manufacturer's published data. In the absence of manufacturer's published data, use NETA Table 100.1.

3. Perform insulation-resistance tests on all control wiring with respect to ground. The applied potential shall be 500 volts dc for 300-volt rated cable and 1000 volts dc for 600-volt rated cable. Test duration shall be one minute. For units with solid-state components, follow the manufacturer's recommendation.
4. Determine long-time pickup and delay by primary current injection.
5. Determine short-time pickup and delay by primary current injection.
6. Determine ground-fault pickup delay by primary current injection.
7. Determine instantaneous pickup current by primary injection.
8. Test functions of the trip unit by means of secondary injection
If necessary.
9. Perform minimum pickup voltage test on shunt trip and close coils in accordance with NETA Table 100.20.
10. Verify correct operation of auxiliary features such as trip and pickup indicators, zone interlocking, and trip unit battery condition.
11. Verify correct operation of features such as electrical close and trip operation, trip-free, and anti-pump function. Reset all trip logs and indicators.

C Test Values

C.1 Test Values – Visual and Mechanical

1. Compare bolted connection resistance values to values of similar connections. Investigate values which deviate from those of similar bolted connections by more than 50 percent of the lowest value.
2. Bolt-torque levels should be in accordance with manufacturer's published data. In the absence of manufacturer's published data, use NETA Table 100.12.

C.2 Test Values – Electrical

1. Compare bolted connection resistance values to values of similar connections. Investigate values which deviate from those of similar bolted connections by more than 50 percent of the lowest value.
2. Insulation-resistance values should be in accordance with manufacturer's published data. In the absence of manufacturer's published data, use NETA Table 100.1. Values of

insulation resistance less than this table or manufacturer's recommendations should be investigated.

3. Microhm or millivolt drop values should not exceed the high levels of the normal range as indicated in the manufacturer's published data. If manufacturer's data is not available, investigate values that deviate from adjacent poles or similar breakers by more than 50 percent of the lowest value.
4. Insulation-resistance values of control wiring should be comparable to previously obtained results but not less than two meg-ohms.
5. Long-time pickup values should be as specified, and the trip characteristic should not exceed manufacturer's published time-current characteristic tolerance band, including adjustment factors. If manufacturer's curves are not available, trip times should not exceed the value shown in **NETA Table 100.7**. (Circuit breakers exceeding specified trip time shall be tagged defective.)
6. Short-time pickup values should be as specified, and the trip characteristic should not exceed manufacturer's published time-current tolerance band. (Circuit breakers exceeding specified trip time shall be tagged defective.)
7. Ground fault pickup values should be as specified, and the trip characteristic should not exceed manufacturer's published time-current tolerance band. (Circuit breakers exceeding specified trip time shall be tagged defective.)
8. Instantaneous pickup values of molded-case circuit breakers should fall within manufacturer's published tolerances. In the absence of manufacturer's published tolerances, refer to **NETA Table 100.8**. (Circuit breakers exceeding specified trip time shall be tagged defective.)
9. Pickup values and trip characteristics should be within manufacturer's published tolerances. (Circuit breakers exceeding specified trip time shall be tagged defective.)
10. Minimum pickup voltage on shunt trip and close coils should be in accordance with manufacturer's published data. In the absence of manufacturer's published data, refer to **NETA Table 100.20**.
11. Auxiliary features should function as designed.
12. Breaker open, close, trip, trip-free, and anti-pump features should function as designed.

2.01.5 Circuit Breakers, Air, Low-Voltage Power

A Visual and Mechanical Inspection

1. Inspect physical and mechanical condition.
2. Inspect anchorage, alignment, and grounding.
3. Verify that all maintenance devices are available for servicing and operating the breaker.
4. Prior to cleaning the unit, perform as-found tests, if required.
5. Clean the unit.
6. Inspect arc chutes.
7. Inspect moving and stationary contacts for condition, wear, and alignment.
8. Verify that primary and secondary contact wipe and other dimensions vital to satisfactory operations of the breaker are correct.
9. Perform all mechanical operator and contact alignment tests on both the breaker and its operating mechanism in accordance with manufacturer's published data.
10. Inspect bolted electrical connections for high resistance using one of the following methods:
 - a. Use of a low-resistance ohmmeter.
 - b. Verify tightness of accessible bolted electrical connections by calibrated torque-wrench method in accordance with manufacturer's published data or NETA Table 100.12.
11. Verify cell fit and element alignment.
12. Verify racking mechanism operation.
13. Use appropriate lubrication on moving current-carrying parts and on moving and sliding surfaces.
14. Perform as-left tests.
15. Record as-found and as-left operation counter readings, if applicable.

B Electrical Tests

1. Perform resistance measurements through bolted connections with a low-resistance ohmmeter.
2. Perform insulation-resistance tests for one minute on each pole, phase-to-phase and phase to ground with the circuit breaker closed, and across each open pole. Apply voltage in accordance with manufacturer's published data. In the absence of manufacturer's published data, use NETA Table 100.1.
3. Perform a contact/pole-resistance test.
4. Perform insulation-resistance tests on all control wiring with respect to ground. The applied potential shall be 500 volts dc for 300-volt rated cable and 1000 volts dc for 600-volt rated cable. Test duration shall be one minute. For units with solid-state components, follow manufacturer's recommendation.
5. Determine long-time pickup and delay by primary current injection.
6. Determine short-time pickup and delay by primary current injection.
7. Determine ground-fault pickup and delay by primary current injection.
8. Determine instantaneous pickup current by primary current injection. Perform minimum pickup voltage test on shunt trip and close coils in accordance with NETA Table 100.20.
9. Verify operation of charging mechanism.
10. Verify correct operation of auxiliary features such as trip and pickup indicators, zone interlocking, electrical close and trip operation, trip-free, anti-pump function, and trip unit battery condition. Reset all trip logs and indicators.

C.1 Test Values – Visual and Mechanical

1. Compare bolted connection resistance values to values of similar connections. Investigate values which deviate from those of similar bolted connections by more than 50 percent of the lowest value.
2. Bolt-torque levels should be in accordance with manufacturers published data. In the absence of manufacturer's published data, use NETA Table 100.12.

C.2 Test Values – Electrical

1. Compare bolted connection resistance values to values of similar connections. Investigate values which deviate from those of similar bolted connections by more than 50 percent of the lowest value.
2. Insulation-resistance values of breakers should be in accordance with manufacturer's published data. In the absence of manufacturer's published data, use NETA Table 100.1. Values of insulation resistance less than this table or manufacturer's recommendations should be investigated.
3. Microhm or millivolt drop values should not exceed the high levels of the normal range as indicated in the manufacturer's published data. If manufacturer's data is not available, investigate values that deviate from adjacent poles or similar breakers by more than 50 percent of the lowest value.

4. Insulation-resistance values of control wiring should be comparable to previously obtained results but not less than two meg-ohms.
5. Long-time pickup values should be as specified, and the trip characteristic shall not exceed manufacturer's published time-current characteristic tolerance band, including adjustment factors. If manufacturer's curves are not available, trip times shall not exceed the value shown in NETA Table 100.7. (Circuit breakers exceeding specified trip time shall be tagged defective.)
6. Short-time pickup values should be as specified, and the trip characteristic should not exceed manufacturer's published time-current tolerance band. (Circuit breakers exceeding specified trip time shall be tagged defective.)
7. Ground fault pickup values should be as specified, and the trip characteristic should not exceed manufacturer's published time-current tolerance band. (Circuit breakers exceeding specified trip time shall be tagged defective.)
8. Instantaneous pickup values should be within the tolerances of manufacturer's published data. In the absence of manufacturer's published data, refer to NETA Table 100.8. (Circuit breakers exceeding specified trip time shall be tagged defective.)
9. Pickup values and trip characteristic should be as specified and within manufacturer's published tolerances. (Circuit breakers exceeding specified trip time shall be tagged defective.)
10. Minimum pickup voltage on shunt trip and close coils should be in accordance with manufacturer's published data. In the absence of manufacturer's published data, refer to NETA Table 100.20.
11. *The charging mechanism should operate* in accordance with manufacturer's published data.
12. Auxiliary features should operate in accordance with manufacturer's published data.

PART II SERVICES - CONTINUED

E. Scope of Services for Medium Voltage Cables Maintenance Testing

1. Contractor shall subcontract with a qualified testing company to provide labor, materials, equipment and appurtenances to perform Medium Voltage Cables Maintenance Testing, in certain buildings on the hospital campus.
2. The Testing Subcontractor shall have a minimum of five (5) years of demonstrated satisfactory experiences on Medium Voltage Cables Maintenance Testing of comparable scope and complexity and must meet the specifications contained herein to be an acceptable testing company.
3. Within sixty (60) days after the award of this contract, the Contractor shall submit Testing Subcontractor's proposed work schedule for review.
4. Medium Voltage Cables Maintenance Testing shall commence within the first one hundred and twenty (120) days of the contract duration and shall continue with reasonable progress until completion of each building and each successive building in accord with the specified priority.
5. Submit the per-building costs of these services in *Part II, Item F of the Bid Proposal Form*.

MEDIUM VOLTAGE CABLES MAINTENANCE TESTING SPECIFICATIONS

PART 1 GENERAL

1.01 SCOPE

The following Specifications are provided to define Medium Voltage CABLE Maintenance Testing Services for all cables 5kV and greater that serve as distribution main or feeder cables located on the STROGER HOSPITAL campus. These buildings include the ADMINISTRATION BUILDING, HEKTOEN BUILDING, FANTUS CLINIC, FANTUS OUTPATIENT IMAGING CENTER, CORE CENTER, STROGER HOSPITAL and the POWERHOUSE.

1.02 REQUIREMENTS

- A. The subcontractor or Testing Services company shall provide all project management, field engineering, supervision, labor, material, tools, rentals, test equipment and transportation as defined by this specification for a complete and comprehensive non-destructive testing program for all MEDIUM VOLTAGE (5 AND 15kV

Nominal) cables. All testing shall be performed while the equipment is energized and not require an outage to install the temporary sensors required to facilitate the on-line tests.

- B. The subcontractor or Testing Services company shall be based in Cook County, Illinois, be a Charter Member of the Inter-National Electrical Testing Association (NETA), provide NETA Certified Test Technicians, be members of the IBEW, and have been providing similar Testing Services for a period no less than five years.

C. The Contractor or Testing Services company shall perform a MANDATORY comprehensive walk-through and provide a complete equipment inventory of all devices that will be tested under the resultant contract.

D. All testing shall be as listed in Section 2.01 of Item #E.

E. Comprehensive Test Reports shall be furnished using the Power DB reporting format and shall be provided within two weeks of testing completion.

2.01 ONLINE PARTIAL DISCHARGE TESTING

2.01.1 OBJECTIVE

- A. The purpose for this project is to develop data that will assist STROGER HOSPITAL in assessing the condition of its medium voltage cable systems. Data collected during this project shall be of a nature that will enable data trending to assess insulation degradation over time.
- B. Since it is impractical to remove our medium voltage electrical equipment from service for the purpose of performing condition assessment testing, this project and all associated work shall be done while the electrical equipment remains in service and energized. Such testing will be hereafter referred to as online partial discharge testing or OLPD testing.

2.01.2 PROJECT SCOPE

- A. **The Electrical Testing Company shall perform OLPD testing of each MV cable feeder circuit as indicated on the INVENTORY LISTING developed during a walk-through with Hospital Electric Shop personnel.**
- B. Apply a unique and permanent identification tag at each specific location where the PD detection equipment was connected. The tag shall be used to indicate the point of attachment (POA) where the test was performed and facilitate a consistent process and enable trending of future testing.
- C. Perform the work while the medium voltage circuits and electrical equipment remains in service and energized. The cable circuits shall not be disconnected or de-energized and the testing shall not expose the cables or equipment to voltages that exceed normal operating voltage.
- D. Submit a comprehensive and detailed report that identifies each test location (POA) and categorizes the severity of partial discharges detected. It shall provide conclusions and recommendations for corrective action. The test report shall:
 - Provide an overview of the project and a summarized list of significant problems identified.
 - Include description of the test methods and test equipment used.
 - Provide a detailed spreadsheet or description of results including:
 - Identification of each POA and its associated equipment.
 - Magnitude of the PD detected (in pC or mV or db) at each test point.
 - A qualitative assessment of the level of PD measured at each POA, including conclusions and recommendations for corrective actions.
 - Photos as appropriate.
 - A trending analysis that compares results from this test with any past test results. *(If applicable)*
 - Descriptions of any power system or equipment issues identified during the project.
 - Indicate the name of the testing organization.
 - Identify the test equipment used.
 - Show the date(s) the work was performed.
 - Identify the engineers and technicians who performed the testing and the person who wrote the report.

2.01.3 QUALITY ASSURANCE

- A. The Electrical Testing Company shall provide the necessary material, labor, equipment and technical supervision to perform tests described herein.
- B. The Electrical Testing Company shall be an independent, third party testing organization that serves as an unbiased testing authority, professionally independent of the manufacturers, suppliers and installers of the electrical power equipment or systems evaluated by the testing firm.
- C. The Electrical Testing Company and its engineers and technicians shall be experienced and regularly engaged in the testing of electrical power equipment systems and equipment.
- D. The Electrical Testing Company shall have a minimum of 3-5 years field experience in Online Partial Discharge testing of MV cables.
- E. The Electrical Testing Company shall have completed at least 200 - Online Partial Discharge MV cable testing projects.
- F. Personnel performing these electrical tests and inspections shall be trained and experienced concerning the electrical equipment evaluated. They must evaluate the test data and make an informed judgment regarding serviceability of the electrical equipment tested.

2.01.4 SAFETY AND PROCEDURAL REQUIREMENTS

- A. This document does not provide a comprehensive listing of all specific safety procedure. CCHHS and STROGER HOSPITAL recognize that tests and inspections set forth by these specifications may be potentially hazardous. Consequently, individuals performing these tests must be capable of conducting these tests in a safe manner and with complete knowledge of the hazards involved. Each person involved in this project must be provided with and use appropriate Personal Protective Equipment (PPE).
- B. Safety practices that shall be followed include, but are not limited to, the following:
 - OSHA requirements including CFR 29, Part 1910.333.
 - National Fire Protection Association (NFPA) Standard 70E: Electrical Safety Requirements for Employee Workplaces.
 - STROGER HOSPITAL Electric Shop's safety practices.
 - The Electrical Testing Company's safety practices.
- C. The testing work shall be performed in accordance with applicable acceptance and maintenance standards including:
 - 1. Inter-National Electrical Testing Association (NETA): Acceptance Testing Specifications and/or Maintenance Testing Specifications.
 - 2. Institute of Electrical and Electronics Engineers (IEEE) standards:
 - IEEE Standard 400-2001, *IEEE Guide for Field Testing and Evaluation of the Insulation of Shielded Power Cable Systems*.
 - IEEE Standard 400.3-2006, *IEEE Guide for Partial Discharge Testing of Shielded Power Cable Systems in a Field Environment*.

3. National Fire Protection Association (NFPA) Standard 70B: *Recommended Practice for Electrical Equipment Maintenance*.

- D. To the extent practical, Partial Discharge testing of each MV feeder cable circuit fed from the Service Entrance Metal-Clad switchgear lineup shall be performed by accessing the cable ground connection (drain wire) and individual phase cables inside the rear of each MV Metal-Clad switchgear feeder cubicle. Switchgear PD testing shall be performed by

utilization of external TEV Sensors. Cable PD testing and Switchgear PD testing shall be performed simultaneously.

2.01.5 TEST INSTRUMENTS

- A. All test equipment shall be in good mechanical and electrical condition.
B. The Electrical Testing Company shall have a program that assures all applicable test instruments are calibrated and certified at least annually.

2.01.6 DIVISION OF RESPONSIBILITY

- A. The Electrical Testing Company shall notify Owner immediately upon the discovery of any defective, dangerous or obviously unreliable electrical distribution system equipment.
B. STROGER HOSPITAL will supply the Electrical Testing Company with the following for the purposes of completing this project:
- Single line diagram and physical layout drawings identifying applicable electrical equipment and cable circuits to be tested.
 - Security clearance and access to each POA where PD measurements will be made.
 - At least one full-time, qualified site representative to accompany the Electrical Testing Company personnel to ensure access and security issues are resolved in a timely manner and to ensure identification and adherence to any safety and procedural requirements.
- C. Although the testing described herein should not require any equipment to be de-energized, should any switching become necessary, such switching shall be performed by STROGER HOSPITAL Electric Shop personnel. The Electrical Testing Company shall perform no switching.
D. STROGER HOSPITAL Electric Shop personnel will remove all enclosure covers and open all enclosure doors as may be necessary to provide access for the Electrical Testing Company to conduct OLPD testing of the cables and other electrical equipment.

2.01.7 ONLINE PARTIAL DISCHARGE TEST INSTRUMENTS

- A. The PD test system must be capable of automatically detecting Partial Discharge (PD) activity on all types of medium voltage electrical equipment, including cables, switchgear, transformers, rotating machines and other components.
- B. The PD test system shall be portable and shall be designed for use in a field environment. All testing functions shall be integrated into one, hand-carry system. Software for the testing shall be integrated into the unit via a built-in PC and the system shall have "Reader" software that enables data to be examined on non-dedicated PCs.
- C. The PD test system shall be able to capture signals Online without Owner power outages of the 60Hz HV power supply. The PD test system should be able to automatically differentiate the detected pulses or signals into 3 types:
 - 1) PD originating from the **Cable** system
 - 2) PD originating from **Local equipment** [e.g. a transformer or switchgear] immediately connected to the cable
 - 3) **RF Noise**. It should also be able to filter out Noise while preserving the PD pulses. The hardware shall not include filters that can 'blank-out' or 'mask' real PD pulses.
- D. The system should have a wide analog bandwidth of 400MHz and high data-acquisition rates of between 100MS/s (Mega-samples/second) and 500MS/s.
- E. The PD data must be saved in an open-file based format that will function in a standard Windows operating system environment to allow the processed data to be transferred to a database.
- F. The test system hardware shall be able to synchronize the PD signal with either an external voltage synchronization signal or an internal synchronization derived from the test unit's AC power supply.
- G. A handheld, multi-purpose PD test device shall also be utilized as a first-line survey, screening or diagnostic tool to quickly identify potential insulation defects in electrical equipment, as well as a safety and security device. This handheld PD test device shall be equipped as follows: **AA** - Airborne Acoustic Circuit, **CT** - Cable PD Circuit, **TEV** - Transient Earth Voltage Circuit and 7-level, color-coded **LEDs** for quick identification of potential PD.

PART II – SERVICES – CONTINUED

F. Upgrade of Video Recording System for Security Cameras in Stroger Hospital

1. Contractor shall provide labor, materials and system equipment, including engineered drawings, to upgrade the existing 18 Digital Video Recorders (DVR) to a Network Video Recorder (NVR) System. Reuse of the existing analog cameras will be accomplished through a conversion of the analog to digital camera signal. High density encoders will convert the signals from analog camera to a digital format for use by the NVR.
2. These encoders will be placed in three locations in the hospital where camera coax cables terminate. There is an existing total capacity of 288 analog cameras on the system, with 96 **located in the communication closet on Floor 1-West, 64 located in the communication closet on** Floor 4-Center and 128 located in the command center on Floor 1-East. The new Network Video Recorder (NVR) System shall have a minimum total capacity to connect to 365 cameras and shall have a capacity for video storage of a minimum of 270 days (or an alternate of 12 months), with average video capture at 6 frames per second.
3. A hybrid capable video management server will be utilized to capture and store networked video from the high density encoders. Client work stations will be used to display live video and playback recorded video. The command console will be reconfigured to accept large flat screen monitors that will display live and playback video. Capabilities such as call-up monitors and pan-tilt-zoom functions of the existing matrix video switching system will be replaced by client work stations and monitors to be provided under this system upgrade.
4. The system will be designed and engineered to utilize John H. Stroger Hospital of Cook County's network infrastructure, such as Ethernet cables, routers and switches, which will be provided and maintained by Stroger Hospital.
5. Submit the cost of these services in Part II, Item G of the Bid Proposal Form.

PROPOSAL

PART I: MONTHLY MAINTENANCE

<u>ITEM NO.</u>	<u>UNIT OF MEASURE</u>	<u>QTY.</u>	<u>DESCRIPTION</u>
1.	MONTH	36	SECURITY SYSTEMS TESTING, MAINTENANCE AND REPAIR SERVICE FOR JOHN H. STROGER JR. HOSPITAL CAMPUS, AS PER SPECIFICATIONS HEREIN. \$ 20,928 /MO. \$ 753,408 /TOTAL
2.	MONTH	36	BUILDING AUTOMATION SYSTEMS TESTING, MAINTENANCE AND REPAIR SERVICE FOR THE JOHN H. STROGER, JR. HOSPITAL CAMPUS, AS PER SPECIFICATIONS HEREIN. \$ 24,598 /MO. \$ 885,528 /TOTAL
3.	MONTH	36	HOSPITAL FIRE ALARM SYSTEM TESTING, MAINTENANCE AND REPAIR SERVICES AT THE JOHN H. STROGER, JR. HOSPITAL, AS PER SPECIFICATIONS HEREIN. \$ 18,676 /MO. \$ 672,336 /TOTAL

PROPOSAL

<u>ITEM NO.</u>	<u>UNIT OF MEASURE</u>	<u>QTY.</u>	<u>DESCRIPTION</u>
4.	MONTH	36	FANTUS CLINIC BUILDING FIRE ALARM SYSTEM TESTING, MAINTENANCE AND REPAIR SERVICES AT THE JOHN H. STROGER, JR. HOSPITAL, AS PER SPECIFICATIONS HEREIN. \$ 1,482 /MO. \$ 53,352 /TOTAL
5.	MONTH	36	FANTUS MRI BUILDING FIRE ALARM SYSTEM TESTING, MAINTENANCE AND REPAIR SERVICES AT THE JOHN H. STROGER, JR. HOSPITAL, AS PER SPECIFICATIONS HEREIN. \$ 119 /MO. \$ 4,284 /TOTAL
6.	MONTH	36	CORE CENTER BUILDING FIRE ALARM SYSTEM TESTING, MAINTENANCE AND REPAIR SERVICES AT THE JOHN H. STROGER, JR. HOSPITAL, AS PER SPECIFICATIONS HEREIN. \$ 1,189 /MO. \$ 42,804 /TOTAL
7.	MONTH	36	ADMINISTRATION BUILDING FIRE ALARM SYSTEM TESTING, MAINTENANCE AND REPAIR SERVICES AT THE JOHN H. STROGER, JR. HOSPITAL, AS PER SPECIFICATIONS HEREIN. \$ 1,355 /MO. \$ 48,780 /TOTAL

PROPOSAL

<u>ITEM NO.</u>	<u>UNIT OF MEASURE</u>	<u>QTY.</u>	<u>DESCRIPTION</u>
8.	MONTH	36	HEKTOEN BUILDING FIRE ALARM SYSTEM TESTING, MAINTENANCE AND REPAIR SERVICES AT THE JOHN H. STROGER, JR. HOSPITAL, AS PER SPECIFICATIONS HEREIN. \$ 711 /MO. \$ 25,596 /TOTAL
9.	MONTH	36	DURAND BUILDING FIRE ALARM SYSTEM TESTING, MAINTENANCE AND REPAIR SERVICES AT THE JOHN H. STROGER, JR. HOSPITAL, AS PER SPECIFICATIONS HEREIN. \$ 711 /MO. \$ 25,596 /TOTAL
10.	MONTH	36	12 KV BUILDING FIRE ALARM SYSTEM TESTING, MAINTENANCE AND REPAIR SERVICES AT THE JOHN H. STROGER, JR. HOSPITAL, AS PER SPECIFICATIONS HEREIN. \$ 150 /MO. \$ 5,400 /TOTAL
11.	MONTH	36	HOSPITAL FIRE SHUTTER DOORS TESTING, MAINTENANCE AND REPAIR SERVICES AT THE JOHN H. STROGER, JR. HOSPITAL, AS PER SPECIFICATIONS HEREIN. \$ 2,435 /MO. \$ 87,660 /TOTAL

PROPOSAL

<u>ITEM NO.</u>	<u>UNIT OF MEASURE</u>	<u>QTY.</u>	<u>DESCRIPTION</u>
12.	MONTH	36	TWO-WAY RADIO SYSTEM TESTING, MAINTENANCE AND REPAIR SERVICES AT THE JOHN H. STROGER, JR. HOSPITAL, AS PER SPECIFICATIONS HEREIN.
			\$ 1,828 /MO.
			\$ 65,808 /TOTAL
TOTAL - PART I: \$			2,670,552

PROPOSAL

PART II SERVICES:

A. EMERGENCY SERVICE CALLS - OTHER THAN REGULARLY SCHEDULED SERVICE VISITS - TESTING, MAINTENANCE AND REPAIR OF SECURITY SYSTEMS, BUILDING AUTOMATION SYSTEMS AND FIRE ALARM SYSTEMS

CALLS

1) Emergency Service Calls - Security Systems (Each call to be 4 hours on-site, call cost to include travel)	108	\$ 228 CALL	\$ 24,624
TOTAL			
2) Emergency Service Calls - Building Automation Systems (Each call to be 4 hours on-site, call cost to include travel)	72	\$ 228 CALL	\$ 16,416
TOTAL			
3) Emergency Service Calls - Fire Alarm Systems (Each call to be 4 hours on-site, call cost to include travel)	108	\$ 228 CALL	\$ 24,624
TOTAL			

B. ADDITIONAL TECHNICIAN LABOR RATES - REGULAR HOURS OF WORK - TESTING, MAINTENANCE AND REPAIR OF SECURITY SYSTEMS, BUILDING AUTOMATION SYSTEMS AND FIRE ALARM SYSTEMS

	<u>HOURS</u>	
1. Security Systems	675	\$ 81 HR. \$ 54,675 TOTAL
2. Building Automation Systems	675	\$ 114 HR. \$ 76,950 TOTAL
3. Fire Alarm Systems	675	\$ 81 HR. \$ 54,675 TOTAL
4. Journeyman Electrician	1,350	\$ 136.60 HR. \$ 184,410 TOTAL
5. Local 399 Operating Engineer	270	\$ 74.30 HR. \$ 20,061 TOTAL

PROPOSAL

C. ADDITIONAL TECHNICIAN LABOR RATES - AFTER REGULAR HOURS OF WORK -
TESTING, MAINTENANCE AND REPAIR OF SECURITY SYSTEMS, BUILDING
AUTOMATION SYSTEMS AND FIRE ALARM SYSTEMS

	<u>HOURS</u>	
1. Security System	275	\$ 81 HR. \$ 22,275 TOTAL
2. Building Automation System	275	\$ 171 HR. \$ 47,025 TOTAL
3. Fire Alarm System	275	\$ 81 HR. \$ 22,275 TOTAL
4. Journeyman Electricians	275	\$ 153 HR. \$ 42,075 TOTAL
5. Local 399 Operating Engineer	275	\$ 91.80 HR. \$ 25,245 TOTAL

D. ARC FLASH STUDY PROGRAM

BUILDING

1. Stroger Hospital	\$ 217,901 /BLDG.
2. Powerhouse	\$ 129,450 /BLDG.
3. CORE Center	\$ 23,823 /BLDG.
4. Fantus Clinic and MRI Buildings	\$ 27,940 /BLDG.
5. Hektoen Building	\$ 44,364 /BLDG.
6. Administration Building	\$ 49,686 /BLDG.

All Buildings: \$ 493,164 /TOTAL

PROPOSAL

E. MEDIUM AND LOW VOLTAGE EQUIPMENT MAINTENANCE TESTING

BUILDING

1. Stroger Hospital	\$ 219,414	/BLDG.
2. Powerhouse	\$ 169,835	/BLDG.
3. CORE Center	\$ 3,997	/BLDG.
4. Fantus Clinic and MRI Buildings	\$ 6,498	/BLDG.
5. Hektoen Building	\$ 14,758	/BLDG.
6. Administration Building	\$ 16,281	/BLDG.

All Buildings: \$ 430,783 /TOTAL

F. MEDIUM VOLTAGE CABLES MAINTENANCE TESTING

BUILDING

1. Stroger Hospital	\$ 89,948	/BLDG.
2. Powerhouse	\$ 163,923	/BLDG.
3. CORE Center	\$ 0	/BLDG.
4. Fantus Clinic and MRI Buildings	\$ 0	/BLDG.
5. Hektoen Building	\$ 0	/BLDG.
6. Administration Building	\$ 0	/BLDG.

All Buildings: \$ 253,871 /TOTAL

G. UPGRADE OF VIDEO RECORDING SYSTEM
FOR SECURITY CAMERA IN STROGER HOSPITAL

\$ 143,545 /TOTAL

H. ALLOWANCE FOR TRAINING SERVICES AS
PER SPECIFICATIONS I a ON PAGE 25. \$25,000.00/YR. \$75,000.00 TOTAL ALLOWANCE

TOTAL - PART II: \$ 2,011,693

PROPOSAL

PART III MATERIALS:

SPARE PARTS FOR FIRE ALARM SYSTEMS:

Spare Parts/Consumable Materials for Fire Alarm Systems. Spare parts shall be provided only upon written authorization by Hospital.

1. \$50,000.00 Fire Alarm parts and materials (over and above items listed below), to be billed at contractor's actual cost. (Net cost of parts is fixed at \$50,000.)

\$50,000.00 + 0 % = \$ 50,000.00 TOTAL
 CONTRACTOR'S ACTUAL COST CONTRACTOR'S MARK-UP

2. Spare Parts - Fixed Cost - Fire Alarm Systems

Manuf.	Part#	Qty.	Description	Unit Price	Extended Price
FCI	1100-1103	40	MS-2P PRE SIGNAL Manual Pull Station	90.40	3,616.00
EST	3-12RY	1	LED DISPLAY MODULE	194.61	194.61
EST	3-12/S1RY	3	SWITCH/LED DISPLAY MODULE	268.24	804.72
EST	3-ASU/FT	1	AUDIO SOURCE UNIT	2092.00	2092.00
EST	3-BPS/M	1	BOOSTER POWER SUPPLY	703.53	703.53
EST	3-CHAS7	2	CHASSIS ELECTRONIC	230.59	461.18
EST	3-CPU1	1	CENTRAL PROCESSING UNIT	632.94	632.94
EST	3-LCD	1	DISPLAY MODULE	207.06	207.06
EST	3-LDSM	1	LED DISPLAY SUPPORT MODULE	115.58	115.58
EST	3-LRMF	2	BLANK FILLER PLATE	32.05	64.10
EST	3-PPS/M	1	PRIMARY POWER SUPPLY	675.29	675.29
EST	3-RS232	1	RS-232 COMMUNICATION BOARD	237.65	237.65
EST	3-RS485A	1	RS-485 COMMUNICATION BOARD	301.18	301.18
EST	3-SSDC	1	SIGNATURE DRIVER MODULE	821.18	821.18
EST	3-ZA40A	1	40 WATT AMPLIFIER	596.47	596.47
EST	305-3A-T	1	STROBE LIGHT - 30cd	59.22	59.22
EST	405-5A-T	15	STROBE LIGHT - 15cd	59.22	888.30
EST	405-6A-T	3	STROBE LIGHT - 60cd	59.22	177.66
EST	405-7A-T	1	STROBE LIGHT - 15/75CD	51.80	51.80
EST	405-8A-T	1	STROBE LIGHT - 110cd	51.80	51.80
EST	SIGA-CC1	1	SINGLE INPUT RISER MODULE	61.41	61.41
EST	SIGA-CR	2	RELAY	57.29	114.58
EST	SIGA-CT1	4	SINGLE INPUT MODULE	42.35	169.40
EST	SIGA-CT2	4	DUAL INPUT MODULE	70.89	283.56
EST	SIGA-DTS	4	TEST STATION	58.01	232.04
EST	SIGA-DH/ST	2	DUCT DETECTOR HOUSING/TUBE	70.94	141.88
EST	SIGA-HRS	4	HEAT DETECTOR	47.06	188.24
EST	SIGA-LED	4	LED	13.71	54.84
EST	SIGA-PS	15	PHOTO DETECTOR	62.35	935.25
EST	SIGA-SB	11	SURFACE BASE	8.25	90.75
EST	6830-6A	3	FIREPHONE HANDSET	165.65	496.95
ATLAS	VTF-27UCR	15	RECESSED LOUDSPEAKER - RED	119.85	1,797.75
WHIK	STH-15B	5	HORN SPEAKER, 15W	56.47	282.35
EST	SIGA-PS	200	SMOKE DETECTOR CEILING MOUNTED	62.35	12,470.00
EST	1508-AQ	400	MAGNETIC HOLDER ASSEMBLIES	50.07	20,028.00
GRAND TOTAL					\$50,099.27

PROPOSAL

SPARE PARTS FOR SECURITY SYSTEMS:

Spare Parts/Consumable Materials for Security Systems. Spare parts shall be provided only upon written authorization by Hospital. (Prices for Items 22 through 45 shall include installation labor.)

3. \$60,000.00 Security System parts and materials (over and Above items listed below), to be billed at contractor's actual cost. (Net cost of parts is fixed at \$60,000.)

\$60,000.00 + 0 % = \$ 60,000.00 TOTAL
CONTRACTOR'S ACTUAL COST CONTRACTOR'S MARK-UP

4. Spare Parts- Fixed Cost- Security Systems

	Mfr.	Part Number	Qty	Description	Unit Price	Total
1	HID	Corporate 1000	36000	Access Cards	3.56	128,160.00
2	HID	RBN-D4500- YMCKOK	72	Printer Ribbons	135.29	9,740.88
3	Generic	Generic	24	Cleaning Swabs	57.62	1,382.88
4	Generic	Generic	12	Cleaning Cards	135.96	1,631.52
5	Generic	Generic	18000	Card Clips	.38	6,840.00
6	Generic	Generic	2000	Card Pouches	.15	300.00
7	Generic	Generic	5000	Blank Cards	.15	750.00
8	HP	Windows 7	2	Work Station	1800.00	3600.00
9	Fargo	DTC-4500	6	Card Printer	3106.67	18,640.02
10	Canon	A520	2	Badging Camera	895.00	1,790.00
11	Generic	Generic	2000	Lanyards	1.15	2,300.00
12	VTA	BTD00433	60	Baby Transmitters	76.47	4,588.20
13	VTA	WTA00933	60	Mother Transmitters	70.35	4,221.00
14	VTA	BTD00433	60	Peds Transmitters	76.47	4,588.20
15	VTA	BTC90001	423	Baby Band Kits (includes 50)	152.94	64,693.62
16	Generic	Generic	160	Mother tag batteries (includes 50)	49.41	7,905.60
17	VTA	BTC-90001-1	678	Peds band Kits (includes 25)	96.47	65,406.66
18	HID	5355AGN00	100	Card Readers	130.62	13,062.00
19	Pelco	Various	100	Camera lenses	105.56	10,556.00
20	Pelco	Various	60	Color Camera Domes	389.06	23,343.60
21	United	HUB2Sa	60	Duress Buttons	13.53	811.80
22	Bosch	LTC 8601/60	1	Allegiant CCTV Switch	1,638.73	1,638.73
23	Bosch	LTC 8621/00	4	Video input Module 8601	474.83	1,899.32
24	Bosch	LTC 8834/00	2	Video output Module	664.26	1,328.52
25	Bosch	LTC 8780/60	1	RS232 Convertor	499.55	499.55
26	Bosch	LTC 8601/60	1	Allegiant CCTV Switch	1,638.73	1,638.73
27	Bosch	LTC 8621/00	7	Video Input Module 8601	474.83	3,323.81
28	Bosch	LTC 8834/00	2	Video Output Module		1,528.52
29	Bosch	LTC 8780/60	1	RS232 Convertor	499.55	499.55
30	Bosch	LTC 8808/00	1	32 channel video interconnect	199.82	199.82
31	Bosch	LTC 8801/60	1	Allegiant CCTV Switch	2,562.64	2,562.64
32	Bosch	LTC 8821/00	5	Video input Module 8800	1,169.04	5,845.20

PROPOSAL

4. Spare Parts -- Fixed COST -- Security Systems - Continued						
33	Bosch	LTC 8834/00	5	Video output Module 8600/8800	764.26	3,821.30
34	Bosch	LTC 8808/00	2	32 channel video interconnect	199.82	399.64
35	Bosch	LTC 8568/00	1	Signal Distribution Unit	369.77	369.77
36	Bosch	LTC 8059/00	1	Master Control Software	294.58	294.58
37	Bosch	LTC KBD-Universal	1	Intuikey digital keyboard	949.65	949.65
38	Bosch	LTC 8558/00	1	Keyboard cable	54.59	54.59
39	Bosch	DHR754	18	Digital Video Recorder 8 terabytes	4,256.00	76,608.00
40	Bosch	MON201CL	2	20" color LCD Monitor	833.23	1,666.46
41	Dell	optiplex	1	Widows PC	1,897.00	1,879.00
42	APC	BR800BLK	1	800va UPS	167.06	167.06
43	Winsted	Various	3	Rack Kit	105.00	315.00
44	Netgear	FS108	3	8 Port Switch	52.94	158.82
45	Pelco	PMCL317A	18	17" Flat Screen Monitors.	461.18	8,301.24
Grand Total						\$490,279.48

SPARE PARTS FOR BUILDING AUTOMATION SYSTEMS:

Spare Parts/Consumable Materials for Building Automation Systems. Spare parts shall be provided only upon written authorization by Hospital.

5. \$50,000.00 Building Automation System parts and materials, to be billed at contractor's actual cost. (Net cost of parts is fixed at \$50,000.00)

$\$50,000.00 + \underline{\quad 0 \quad} \% = \$ \underline{50,000.00}$ TOTAL
 CONTRACTOR'S ACTUAL COST CONTRACTOR'S MARK-UP

TOTAL - PART III: \$ \$700,378.75

PROPOSAL

TOTAL PART I: \$ 2,670,552.00

TOTAL PART II: \$ 2,011,693.00

TOTAL PART III: \$ 700,378.75

GRAND TOTAL: \$ 5,382,623.75

SERVICE DATE: 0 Days
(NUMBER OF CALENDAR DAYS AFTER AWARD OF CONTRACT)

FOR HOSPITAL ACCOUNTING PURPOSES, PLEASE PROVIDE A COST BREAKDOWN OF THE FOLLOWING SERVICES BY BUILDING:

1. Pricing to be reflected in Part I, Item 1 Monthly price:

MONTH 36

SECURITY SYSTEM TESTING,
MAINTENANCE AND REPAIR
SERVICE FOR THE RUTH
ROTHSTEIN CORE CENTER
PORTION, AS PER SPECIFICATIONS
HEREIN.

\$ 482 /MO.

\$ 17,352 /TOTAL

2. Pricing to be reflected in Part I, Item 2 Monthly price:

MONTH 36

BUILDING AUTOMATION SYSTEM
TESTING, MAINTENANCE AND
REPAIR SERVICE FOR THE RUTH
ROTHSTEIN CORE CENTER
PORTION, AS PER SPECIFICATIONS
HEREIN.

\$ 618 /MO.

\$ 22,248 /TOTAL

3. Pricing to be reflected in Part I, Item 2 Monthly price:

MONTH 36

BUILDING AUTOMATION SYSTEMS
TESTING, MAINTENANCE AND
REPAIR SERVICE FOR THE
FANTUS/MRI BUILDINGS PORTION,
AS PER SPECIFICATIONS HEREIN.

\$ 407 /MO

\$ 14,652 /TOTAL

COOK COUNTY HEALTH AND HOSPITALS SYSTEM SIGNATURE PAGE
(SECTION 9)

ON BEHALF OF THE COOK COUNTY HEALTH AND HOSPITALS SYSTEM ("CCHHS") THIS
CONTRACT, H13-28-058, IS HEREBY EXECUTED BY:

RAMANATHAN RAJU, M.D. CHIEF EXECUTIVE OFFICER, CCHHS

DATED AT CHICAGO, ILLINOIS THIS ____ DAY OF _____, 20__.

IN THE CASE OF A BID PROPOSAL, THE COUNTY HEREBY ACCEPTS:

THE FOREGOING BID/PROPOSAL AS IDENTIFIED IN THE CONTRACT NUMBER

H13-28-058

OR

ITEMS(S), SECTION(S), PART(S): On whole

TOTAL AMOUNT OF CONTRACT: \$ 5,382,623.75
(DOLLARS AND CENTS)

APPROVED TO FORM:

ASSISTANT STATES ATTORNEY

ATTACHMENT #1 - SECURITY SYSTEMS INVENTORY

<u>PRODUCT</u>	<u>QUANTITY</u>	<u>PRODUCT</u>	
Cardkey Pegasys		CCTV System (Con't.)	
Pegasus 2000	1	Multiplexers (Duplex)	17
Cards	5000	Cameras (interior)	206
CK720 Controllers	27	Cameras (exterior)	30
5300 Slaves	18	Power Supplies	19
RDR2 Reader Modules	139		
110 Modules	42	Console/Racks	
Backup Batteries	45	Main Console	6
Badgemaster System	1	Racks in 1A and 4E	2
Badgemaster Camera	1		
Badgemaster Printer	1	Duress Buttons	
Signature Pad	1	Amseco HUS-7A	
202			
Laser Printers	2	Area Motion Detectors	
Card Readers	215	Sentrol AP669	80
Jpad Readers	52	Mounting Bracket	80
Door Contacts	457		
Window Contacts	18	Glassbreak Detectors	
Pushbutton REX	0	Sentrol Shatterbox II	5
Power supplies	45	Hand-held tester	1
Motion REX	257		
Transformers 50VA	46	Infant Monitoring Sys	
Electric Strikes	160	Workstation	1
		Nurse Station Monitors	12
Video Intercom		RF Detectors	86
Aiphone Video/Intercom 6		IR Detectors	54
		Remote Display Units	9
		Red/Green Lights	54
		Power Line Repeater	8
CCTV System		Power Supplies	11
Workstations	3	UPS	4
Monitors	19	ExB Relays	97
Video Switchers	3	Baby Badges	125
VCR's	17	Mother Badges	125

Ruth Rothstein CORE Center Building

<u>Device Type</u>	<u>Description</u>	<u>QUANTITY</u>
ACCM	Color Monitors	2
ACPR	Proximity Reader	2
ACUP	Uninterruptible Power Supply	1
CCBC	Black & White Fixed Camera	12
CCCC	Color Fixed Camera	4
CCMD	Color PTZ Minidome Camera	3
SPKP	Keypad	1
SPDC	Door Security Contact	11
SPGB	Glass Break Detector	19
SPMD	Security Motion Detector	6
	16 Camera Input DVR Storage Unit	2
	IP-Based Door Controllers	2

ATTACHMENT #2 - BUILDING AUTOMATION SYSTEMS INVENTORY

<u>Name</u>	<u>Description</u>	<u>Qty.</u>
BOXES	CYNAV Boxes	1
AS-VMA	VMA-Controller	1689
VBC-2	Visits and Booking Code	1689
VMA-CNTRL	VMA Controller	1689
FMS-CRIT-PTS	Critical Points	3378
FMS-CNTRL-LPS	Control Loops	3378
A1-DEVICE	Analog Input Field Device	3378
AO-DEVICE	Analog Output Field Device	1689
BI-DEVICE	Binary Input Field Device	3378
BO-DEVICE	Binary Output Field Device	3378
	Systems Total	1689
CELE	Cyb-Sensor Element(s)	1689
VBC-4	Visits and Booking Code	1689
C-ELE	Sensor/Element(s)	1689
	Systems Total	1689
CVLVI	Cyb-Control Valve(s) ½	1626
VBC-4	Visits and Booking Code	1626
C-ELE	Sensor/Element(s)	1626
	Systems Total	1626
SPACE HUM CON	Space Humidity Control	1
AS-IJNT	UNT Controller	47
VBC-2	Visits and Booking Code	47
UNT-CNTRL	UNT Controller	47
FMS-CRIT-PTS	Critical Points	94
FMS-CNTRL-LPS	Control Loops	94
A1-DEVICE	Analog Input Field Device	188
AO-DEVICE	Analog Output Field Device	47
BI-DEVICE	Binary Input Field Device	141
BO-DEVICE	Binary Output Field Device	141
	Systems Total	47
CACT	Cyb-Valve/Damper Actuator	47
VBC-4	Visits and Booking Code	47
C-ACT	Valve/Damper Actuator(s)	47
	Systems Total	47
A1-DEVICE	Analog Input Field Device	47
VBC-3	Visits and Booking Code	47
A1-DEVICE	Analog Input Field Device	47
	System Total	47
A1-DEVICE	Analog Input Field Device	1
VBC-3	Visits and Booking Code	47
A1-DEVICE	Analog Input Field Device	47
	Systems Total	47

<u>Name</u>	<u>Description</u>	<u>Qty.</u>
AIR HANDLERS	Air Handling Inputs/Outputs	1
PDA	Damper Actuator(s)	74
VBC-4	Visits and Booking Code	74
P-DA	Damper Actuators	74
P-DA	Dampers Actuators	74
	Systems Total	74
PDA	Damper Actuator(s)	153
VBC-4	Visits and Booking Code	153
P-DA	Damper Actuators	153
	Systems Total	153
BI-DEVICE	Binary input Field Device	40
VBC-3	Visits and Booking Code	40
81-DEVICE	Binary Input Field Device	40
	Systems Total	40
BI-DEVICE	Binary Input Field Device	40
VBC-3	Visits and Booking Code	40
131-DEVICE	Binary Input Field Device	40
	Systems Total	40
BI-DEVICE	Binary Input Field	36
VBC-3	Visits and Booking code	36
BI-DEVICE	Binary Input Field Device	36
	Systems Total	36
BI-DEVICE	Binary Input Field Device	38
VBC-3	Visits and 800km Code	38
BI-DEVICE	Binary Input Field Device	38
	Systems Total	38
BI-DEVICE	Binary Input Field Device	38
VBC-3	Visits and 800km Code	38
BI-DEVICE	Binary Input Field Device	38
	Systems Total	38
BI-DEVICE	Binary Input Field Device	38
VBC-3	Visits and 800km Code	38
BI-DEVICE	Binary Input Field Device	38
	Systems Total	38
BI-DEVICE	Binary Input Field Device	79
VBC-3	Visits and 800km Code	79
BI-DEVICE	Binary Input Field Device	79
	System Total	79
BI-DEVICE	Binary Input Field Device	36
VBC-3	Visits and 800km Code	36
BI-DEVICE	Binary Input Field Device	36
	Systems Total	36

<u>Name</u>	<u>Description</u>	<u>Qty.</u>
CACT	Cyb-Valve/Damper Actuator	38
VBC-4	Visits and 800km Code	38
C-ACT	Valve/Damper Actuator(s)	38
	Systems Total	38
A1-DEVICE	Analog Input Field Device	6
VBC-3	Visits and Booking Code	6
A1-DEVICE	Analog Input Field Device	6
	Systems Total	6
AHU VALVES	Air Handling Unit Valves	6
PVLVI	Control Valve(s) (1/2-2in)	80
VBC-4	Visits and Booking Code	80
P-VLVI	Control Valve(s) 1/2-2in	80
	Systems Total	80
AHU VALVES	Air Handling Unit Panels	1
DX-9100	DX-90110 Controller	40
VBC-2	Visits and Booking Code	40
DX9100	DX-9100 Controller	40
FMS-CRIT-PTS	Critical Points	120
FMS-CNTRL-LPS	Control Loops	120
AL-DEVICE	Analog Input Field Device	160
BI-DE- VICE	Binary Input Field Device	160
AO-DE VICE	Analog Output Field Device	160
BO-DE VICE	Binary Output Field Device	160
	Systems Total	40
NEU	Network Expansion Unit	78
VBC-2	Visits and 800km Code	78
NCU-ENC	Network Control Unit	78
NCU-DCM	Digital Control Module	78
FM-1	Input Function Modules	312
FM-O	Output Function Modules	312
FMS-CRIP-PTS	Critical Points	156
FMS-CNTRL-LPS	Control Loops	234
AL-DEVICE	Analog Input Field Device	312
AO-DE VICE	Analog Output Field Device	312
	Systems Total	78
RADIANT VLVS	Radiant Valves	1
PVLVI	Control Valves(s) (1/2-2in)	1674
VBC-4	Visits and Booking Code	1674
P-VLVI	Control Valves 1/2-2in	1674
	Systems Total	1674
FIN TUBE	Fin Tube Valves	1
CVLVI	Cyb-Control Valves(s) (1/2)	5
VBC-4	Visits and Booking Code	5
C-VLVI	Control Valves 1/2-2in	5
	Systems Total	5

<u>Name</u>	<u>Description</u>	<u>Qty.</u>
HEAT EXCH	Heat Exchanger Control	1
HEX-CONV	Heat Exchanger Converter	28
VBC-4	Visits and Booking Code	28
HEXCONV	Heat Exchanger-Converter	28
	Systems Total	28
CVLVI	Cyb-Control Valve(s) (1/2)	12
VBC-4	Visits and Booking Code	12
C-VLVI	Control Valves 1/2-2in	12
	Systems Total	12
DX-9100	DX-9100 Controller	7
VCB-2	Visits and Booking Code	7
DX9100	DX-9100 Controller	7
FMS-CRIT-PTS	Critical Points	21
FMS-CNTRL-LPS	Control Loops	21
A1-DEVICE	Analog Input Field Device	28
131-DEVICE	Binary Input Field Device	28
AO-DEVICE	Analog Output Field Device	28
130-DEVICE	Binary Output Field Device	28
	Systems Total	7
CLG EXCHANGERS	Cooling Exchanger Control	1
DX-9100	DX-9100 Controller	4
VBC-2	Visits and Booking Code	4
DX9100	DX-9100 Controller	4
FMS-CRIT-PTS	Critical Points	12
FMS-CNTRL-LPS	Control Loops	12
A1-DEVICE	Analog Input Field Device	16
131-DEVICE	Binary Input Field Device	16
AO-DEVICE	Analog Output Field Device	16
BO-DE VICE	Binary Output Field Device	16
	Systems Total	4
NEU	Network Expansion Unit	2
VBC-2	Visits and Booking Code	2
NCU-ENC	Network Control Unit	2
NCU-DCM	Digital Control Module	2
FM-1	Input Function Modules	8
FM-O	Output Function Modules	8
FMS-CRIT-PTS	Critical Points	4
FMS-CNTRL-LPS	Control Loops	6
A1-DEVICE	Analog Input Field Device	8
AO-DEVICE	Analog Output Field Device	8
	Systems Total	2
EXHAUST FANS		1
EF-S	Exhaust Fan-Small	28
VBC-1	Visits and Booking Code	28
EFS	Exhaust Fan Items-Sm	28
	Systems Total	28

<u>Name</u>	<u>Description</u>	<u>Qty.</u>
ISO ROOMS	Isolation Room Control	1
IU	Induction Unit	86
VBC-1	Visits and Booking Code	86
JNU	Induction Unit Items	86
	Systems Total	86
BI-DEVICE	Binary Input Field Device	86
VBC-3	Visits and Booking Code	86
BI-DEVICE	Binary Input Field Device	86
	Systems Total	86
AS-UNT	UNT Controller	35
VBC-2	Visits and Booking Code	35
UNT-CNTRL	UNT Controller	35
FMS-CRIT-PTS	Critical Points	70
FMS-CNTRL-LPS	Control Loops	70
A1-DEVICE	Analog Input Field Device	140
AO-DEVICE	Analog Output Field Device	35
BI-DEVICE	Binary Input Field Device	105
BO-DEVICE	Binary Output Field Device	105
	Systems Total	35
VFDs		1
VFD	VF Drive Inspect	69
VBC-1	Visits and Booking Code	69
VFDRIVE	VF Drive	69
	Systems Total	69
LAB AREA MB	Lab Area Control	1
AS-VAV	VAV Controller	90
VBC-2	Visits and Booking Code	90
VAV-CNTRL	VAV Controller	90
FMS-CRIT-PTS	Critical Points	180
FMS-CNTRL-LPS	Control Loops	180
A1-DEVICE	Analog Input Field Device	180
AO-DE VICE	Analog Output Field Device	90
RI-DEVICE	Bins Input Field Device	180
BO-DE VICE	Binary Output Field Device	180
	Systems Total	90
CAXU	Cyb-Auxiliary Device (3)	158
VBC-4	Visits and Booking Code	158
C-AUX	Auxiliary Device(s)	158
	Systems Total	158
CVLVI	Cyb-Control Valve(s) ½	35
VBC-4	Visits and Booking Code	35
C-VLVI	Control Valves ½-2in	35
	Systems Control	35

<u>Name</u>	<u>Description</u>	<u>Qty.</u>
BI-DEVICE	Binary Input Field Device	35
VBC-3	Visits and Booking Code	35
RI-DEVICE	Bins Input Field Device	35
	Systems Total	35
BI-DEVICE	Binary Input Field Device	16
VRC-3	Visits and Booking Code	16
HI-DEVICE	Binary Input Field Device	16
	Systems Total	16
BI-DEVICE	Analog Input Field Device	14
VBC-3	Visits and Booking Code	14
A1-DEVICE	Analog Input Field Device	14
	Systems Total	14
CACT	Cyb-Valve/Damper Actuator	17
VBC-4	Visits and Booking Code	17
C-ACT	Valve/Damper Actuators	17
	Systems Total	17
CACT	Cyb-Valve/Damper Actuator	158
VBC-4	Visits and Booking Code	158
C-ACT	Valve/Damper Actuators	158
	Systems Total	158
DX-9100	DX-9100 Controller	24
VBC-2	Visits and Booking Code	24
DX9100	DX-9100 Controller	24
FMS-CRIT-PTS	Critical Points	72
FMS-CNTRL-LPS	Control Loops	72
A1-DEVICE	Analog Input Field Device	96
BI-DE VICE	Binary Input Field Device	96
AO-DE VICE	Analog Output Field Device	96
BO-DEVICE	Bins Output Field Device	96
	Systems Total	24
NEU	Network Expansion Unit	10
VBC-2	Visits and Booking Code	10
NCU-ENC	Network Control Unit	10
NCU-DCM	Digital Control Module	10
FM-1	Input Function Modules	40
FM-O	Output Function Modules	40
FMS-CRIT-PTS	Critical Points	20
FMS-CNTRL-LPS	Control Loops	30
A1-DEVICE	Analog Input Field Device	40
AO-DEVICE	Analog Output Field Device	40
	Systems Total	10

<u>Name</u>	<u>Description</u>	<u>Qty.</u>
CENTRAL PLANT	Central Plant Control	1
DX-9100	DX-9100 Controller	2
VBC-2	Visits and Booking Code	2
DX-9100	DX-9100 Controller	2
FMS-CRIT-PTS	Critical Points	6
FMS-CNTRL-LPS	Control Loops	6
BI-DE VICE	Binary Input Field Device	8
AO-DE VICE	Analog Output Field Device	8
BO-DEVICE	Bins Output Field Device	8
	Systems Total	2
NEU	Network Expansion Unit	2
VBC-2	Visits and Booking Code	2
NCU-ENC	Network Control Unit	2
NCU-DCM	Digital Control Module	2
FM-I	Input Function Modules	8
FM-O	Output Function Modules	8
FMS-CRIT-PTS	Critical Points	4
FMS-CNTRL-LPS	Control Loops	6
A1-DEVICE	Analog Input Field Device	8
AO-DE VICE	Analog Output Field Device	8
	Systems Total	2
CHILLER EQUIP	Chiller Control	1
DX-9100	DX-9100 Controller	1
VBC-2	Visits and Booking Code	1
DX-9100	DX-9100 Controller	
FMS-CRIT-PTS	Critical Points	3
FMS-CNTRL-LPS	Control Loops	3
A1-DEVICE	Analog Input Field Device	4
BI-DEVICE	Binary Input Field Device	4
AO-DEVICE	Analog Output Field Device	4
	Binary Output Field Device	4
	Systems Total	1
NEU	Network Expansion Unit	2
VBC-2	Visits and Booking Code	2
NC) +J-ENC	Network Control Unit	2
NCU-DCM	Digital Control Module	2
FM-1	Input Function Modules	8
FM-O	Output Function Modules	8
FMS-CRIT-PTS	Critical Points	4
FMS-CNTRL-LPS	Control Loops	6
A1-DEVICE	Analog Input Field Device	8
AO-DE VICE	Analog Output Field Device	8
	System Total	2

<u>Name</u>	<u>Description</u>	<u>Qty.</u>
PITSTAT	Room Thermostat(s)	26
VBC-4	Visits and Booking Code	26
P-TSTAT	Room Thermostat(s)	26
	Systems Total	26
CON WTR EQUIP	Condenser Water Control	1
DX-9100	DX-9100 Controller	2
VBC-2	Visits and Booking Code	2
DX9100	DX-9100 Controller	2
FMS-CRIT-PTS	Critical Points	6
FMS-CNTRL-LPS	Control Loops	6
A1-DEVICE	Analog Input Field Device	8
BI-DEVICE	Bins Input Field Device	8
AO-DE VICE	Analog Output Field Device	8
BO-DE VICE	Bins Output Field Device	8
	Systems Total	2
NEU	Network Expansion Unit	4
VBC-2	Visits and Booking Code	4
NCU-ENC	Network Control Unit	4
NCU-DCM	Digital Control Module	4
FM-I	Input Function Modules	16
FM-O	Output Function Modules	16
FMS-CRIT-PTS	Critical Points	8
FMS-CNTRL-LPS	Control Loops	12
A1-DEVICE	Anal Input Field Device	16
AO-DE VICE	Analog Output Field Device	16
	Systems Total	4
EXCHANG REHEAT	S Exchanger Reheat Control	1
DX-9100	DX-9100 Controller	1
VBC-2	Visits and Booking Code	
DX9100	DX-9100 Controller	1
FMS-CRIT-PTS	Critical Points	3
FMS-CNTRL-LPS	Control Loops	3
A1-DEVICE	Analog Input Field Device	4
BI-DE VICE	Binary Input Field Device	4
AO-DEVICE	Analog Output Field Device	4
BO-DE VICE	Binary Output Field Device	4
	Systems Total	
EMER GENER	Emergency Generator Control	1
PDA	Damper Actuator(s)	75
VBC-4	Visits and Booking Code	75
P-DA	Damper Actuators	75
	Systems Total	75

<u>Name</u>	<u>Description</u>	<u>Qty.</u>
Control Room	Control Room	1
NCM-3XX	300 Series Network Control	34
VBC-2	Visits and Booking Code	34
NCM3XX	Network Control Module 30	34
NET-CARD	Network Card	34
	Systems Total	34
HUB	Active Hub	7
VBO-3	Visits and Booking Code	1
HUB-CHAS	Active Hub Chassis	7
EXP-MO	Expansion Modules	7
	Systems Total	7
Transformers	Step Down Transformers	1
Transformers	1 20V .24V Transformers	50
Repair	Repair Labor & Material	50
	Systems Total	50
Integrators	Integrators	1
AS-MIG	Chillers	6
VBC-2	Visit/Book Code: T-FMS1,	6
MIG-CNTRL	MIG Controller	6
FMS-CRIT-PTS	Critical Points	12
FMS-CNTRL-LPS	Control Loops	12
A1-DEVICE	Analog Input Field Device	24
AO-DE VICE	Analog Output Field Device	6
BL-DE VICE	Bins Input Field Device	18
BO-DEVICE	Bins Output Field Device	18
	Systems Total	6
AS-MIG	Boilers	6
VBC-2	Visits/Book Code: T-FM, 1	6
MIG-CNTRL	MIG Controller	6
FMS-CRIT-PTS	Critical Points	12
FMS-CNTRL-LPS	Control Loops	12
A1-DEVICE	Analog Input Field Device	24
AO-DE VICE	Analog Output Field Device	6
BI-DE VICE	Binary Input Field Device	18
BO-DE VICE	Binary Output Field Device	18
	Systems Total	6

<u>Name</u>	<u>Description</u>	<u>Qty.</u>
AS-MIG	Generators	7
VBC-2	Visits/Book Code: T-FMS, 1	7
MIG-CNTRL	MIG Controller	7
FMS-CRIT-PTS	Critical Points	14
FMS-CNTRL-LPS	Control Loops	14
A1-DEVICE	Analog Input Field Device	28
AO-DE VICE	Analog Output Field Device	7
BI-DE VICE	Binary Input Field Device	21
BO-DE VICE	Binary Output Field Device	21
	Systems Total	7

Equipment to be Serviced, by Building:

FANTUS MRI BUILDING CONTROLS

Air Handling Units

FANTUS CLINIC BUILDING CONTROLS

Fantus Building Supply Fan 1	X-Ray
Fantus Building Supply Fan 2	Examination Office
Fantus Building Supply Fan 3	Laboratory
Fantus Building Supply Fan 4	File and Waiting Areas
Fantus Building Supply Fan 5	Connecting Link (Basement) Area
Fantus Building Supply Fan 6	Pharmacy
Fantus Building Converter System	

CORE CENTER BUILDING CONTROLS

AHU #1
AHU #2
AHU #3
Boiler
Fin Tube
Isolation Rooms
Chiller
Exhaust Fans
Space Pressurization Monitoring

ADMINISTRATION BUILDING CONTROLS

AHU #1
AHU #2
AHU #3
AHU #4
AHU #5
Exhaust Fans
Chiller/Tower Control
Operator Workstation
Network Controller
Elevator Equipment Room

John H. Stroger Jr. Hospital of Cook County
Fire Devices Asset Inventory
 (Sorted by Location)

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<u>Equip ID #</u>	<u>Serial #</u>	<u>Location</u>	<u>Description</u>
ALTERNATE FLOOR			
FPS-46060138	Relay	9TH FLR	ALTERNATE FLOOR RELAY
FPS-46060138	Relay	9TH FLR	ALTERNATE FLOOR RELAY
ANSUL			
FPS-37080128	10-6-5-1	LL610	ANSUL
FPS-37080130	10-6-5-1	LL610	ANSUL
AUTOMATIC TRANSFER			
FPS-43110146	Monitor	STROGER	AUTOMATIC TRANSFER SWITCH
FPS-43110146	Monitor	STROGER	AUTOMATIC TRANSFER SWITCH
DAMPER CONTROL			
FPS-45050135	Relay	5-4E	DAMPER CONTROL
Door Switch (Magnetic)			
FPS-48050139	Relay	3027	Door Switch (Magnetic)
FPS-47020132	Relay	1ST FLR	Door Switch (Magnetic)
FPS-39100134	Relay	1ST FLR	Door Switch (Magnetic)
FPS-39100130	Relay	1ST FLR	Door Switch (Magnetic)
FPS-39080142	Relay	1ST FLR	Door Switch (Magnetic)
FPS-38050137	Relay	1ST FLR	Door Switch (Magnetic)
FPS-38040151	Relay	1ST FLR	Door Switch (Magnetic)
FPS-38040152	Relay	1ST FLR	Door Switch (Magnetic)
FPS-38040155	Relay	1ST FLR	Door Switch (Magnetic)
FPS-39050128	Relay	1ST FLR	Door Switch (Magnetic)
FPS-40100159	Relay	2ND FLR	Door Switch (Magnetic)
FPS-40070142	Relay	2ND FLR	Door Switch (Magnetic)
FPS-40070143	Relay	2ND FLR	Door Switch (Magnetic)
FPS-48050138	Relay	3026	Door Switch (Magnetic)
FPS-42030128	Relay	3RD FLR	Door Switch (Magnetic)
FPS-42020137	Relay	3RD FLR	Door Switch (Magnetic)
FPS-42020140	Relay	3RD FLR	Door Switch (Magnetic)
FPS-41040128	Relay	3RD FLR	Door Switch (Magnetic)
FPS-41030139	Relay	3RD FLR	Door Switch (Magnetic)
FPS-41020132	Relay	3RD FLR	Door Switch (Magnetic)
FPS-48050133	Relay	3RD FLR	Door Switch (Magnetic)
FPS-48040136	Relay	3RD FLR	Door Switch (Magnetic)
FPS-48030137	Relay	3RD FLR	Door Switch (Magnetic)
FPS-48030140	Relay	3RD FLR	Door Switch (Magnetic)
FPS-43040139	Relay	4TH FLR	Door Switch (Magnetic)
FPS-42090126	Relay	4TH FLR	Door Switch (Magnetic)
FPS-42060134	Relay	4TH FLR	Door Switch (Magnetic)
FPS-42110156	Relay	4TH FLR	Door Switch (Magnetic)
FPS-42110132	Relay	4TH FLR	Door Switch (Magnetic)
FPS-44020155	Relay	5TH FLR	Door Switch (Magnetic)
FPS-44020156	Relay	5TH FLR	Door Switch (Magnetic)
FPS-45070126	Relay	6TH FLR	Door Switch (Magnetic)
FPS-45100135	Relay	7TH FLR	Door Switch (Magnetic)
FPS-45090143	Relay	7TH FLR	Door Switch (Magnetic)
FPS-46020143	Relay	8TH FLR	Door Switch (Magnetic)
FPS-46040133	Relay	8TH FLR	Door Switch (Magnetic)
FPS-46030135	Relay	8TH FLR	Door Switch (Magnetic)

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<u>Equip ID #</u>	<u>Serial #</u>	<u>Location</u>	<u>Description</u>
Door Switch (Magnetic)			
FPS-39090126	Relay	1124	Door Switch (Magnetic)
FPS-39100127	Relay	1150	Door Switch (Magnetic)
FPS-39110138	Relay	1189	Door Switch (Magnetic)
FPS-39110131	Relay	1230	Door Switch (Magnetic)
FPS-39110126	Relay	1230	Door Switch (Magnetic)
FPS-39100157	Relay	1310	Door Switch (Magnetic)
FPS-39100128	Relay	1311	Door Switch (Magnetic)
FPS-47050129	Relay	1376	Door Switch (Magnetic)
FPS-39080135	Relay	1424	Door Switch (Magnetic)
FPS-39080162	Relay	1452	Door Switch (Magnetic)
FPS-39080157	Relay	1457	Door Switch (Magnetic)
FPS-39080149	Relay	1467	Door Switch (Magnetic)
FPS-39080169	Relay	1490	Door Switch (Magnetic)
FPS-47050126	Relay	1490	Door Switch (Magnetic)
FPS-39060149	Relay	1501	Door Switch (Magnetic)
FPS-39060146	Relay	1501	Door Switch (Magnetic)
FPS-39060143	Relay	1524	Door Switch (Magnetic)
FPS-39060136	Relay	1543	Door Switch (Magnetic)
FPS-39050140	Relay	1548	Door Switch (Magnetic)
FPS-39060133	Relay	1601	Door Switch (Magnetic)
FPS-39050143	Relay	1613	Door Switch (Magnetic)
FPS-39050142	Relay	1626	Door Switch (Magnetic)
FPS-39060132	Relay	1683	Door Switch (Magnetic)
FPS-39070134	Relay	1680	Door Switch (Magnetic)
FPS-39040126	Relay	1691	Door Switch (Magnetic)
FPS-39040127	Relay	1691	Door Switch (Magnetic)
FPS-47020128	Relay	1704	Door Switch (Magnetic)
FPS-47020131	Relay	1706	Door Switch (Magnetic)
FPS-38050139	Relay	1720	Door Switch (Magnetic)
FPS-38050143	Relay	1722	Door Switch (Magnetic)
FPS-38050128	Relay	1729	Door Switch (Magnetic)
FPS-38050129	Relay	1729	Door Switch (Magnetic)
FPS-38050130	Relay	1729	Door Switch (Magnetic)
FPS-39030126	Relay	1737	Door Switch (Magnetic)
FPS-39020129	Relay	1748	Door Switch (Magnetic)
FPS-39020132	Relay	1748	Door Switch (Magnetic)
FPS-39050133	Relay	1749	Door Switch (Magnetic)
FPS-38040126	Relay	1763	Door Switch (Magnetic)
FPS-38040127	Relay	1771	Door Switch (Magnetic)
FPS-38040128	Relay	1771	Door Switch (Magnetic)
FPS-38040129	Relay	1771	Door Switch (Magnetic)
FPS-47030137	Relay	1772	Door Switch (Magnetic)
FPS-47030129	Relay	1780	Door Switch (Magnetic)
FPS-39020128	Relay	1781	Door Switch (Magnetic)
FPS-47020144	Relay	1821	Door Switch (Magnetic)
FPS-47020139	Relay	1821	Door Switch (Magnetic)
FPS-39040134	Relay	1824	Door Switch (Magnetic)
FPS-38050156	Relay	1832	Door Switch (Magnetic)
FPS-38050147	Relay	1839	Door Switch (Magnetic)
FPS-38050151	Relay	1839	Door Switch (Magnetic)
FPS-38040145	Relay	1841	Door Switch (Magnetic)

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<u>Equip ID #</u>	<u>Serial #</u>	<u>Location</u>	<u>Description</u>
Door Switch (Magnetic)			
FPS-38040146	Relay	1841	Door Switch (Magnetic)
FPS-38040138	Relay	1851	Door Switch (Magnetic)
FPS-38040130	Relay	1855	Door Switch (Magnetic)
FPS-38040135	Relay	1855	Door Switch (Magnetic)
FPS-39020138	Relay	1902	Door Switch (Magnetic)
FPS-39020135	Relay	1922	Door Switch (Magnetic)
FPS-47040143	Relay	1970	Door Switch (Magnetic)
FPS-47040144	Relay	1970	Door Switch (Magnetic)
FPS-47040145	Relay	1971	Door Switch (Magnetic)
FPS-47040136	Relay	1986	Door Switch (Magnetic)
FPS-47040137	Relay	1986	Door Switch (Magnetic)
FPS-47040138	Relay	1986	Door Switch (Magnetic)
FPS-47040139	Relay	1986	Door Switch (Magnetic)
FPS-47040140	Relay	1989	Door Switch (Magnetic)
FPS-47020132	Relay	1ST FLR	Door Switch (Magnetic)
FPS-39100134	Relay	1ST FLR	Door Switch (Magnetic)
FPS-39100130	Relay	1ST FLR	Door Switch (Magnetic)
FPS-39080142	Relay	1ST FLR	Door Switch (Magnetic)
FPS-38050137	Relay	1ST FLR	Door Switch (Magnetic)
FPS-38040151	Relay	1ST FLR	Door Switch (Magnetic)
FPS-38040152	Relay	1ST FLR	Door Switch (Magnetic)
FPS-38040155	Relay	1ST FLR	Door Switch (Magnetic)
FPS-39050128	Relay	1ST FLR	Door Switch (Magnetic)
FPS-40040146	Relay	2176	Door Switch (Magnetic)
FPS-43050140	Relay	2211	Door Switch (Magnetic)
FPS-40070130	Relay	2367	Door Switch (Magnetic)
FPS-40070126	Relay	2371	Door Switch (Magnetic)
FPS-40100132	Relay	2418	Door Switch (Magnetic)
FPS-40100158	Relay	2426	Door Switch (Magnetic)
FPS-40100138	Relay	2429	Door Switch (Magnetic)
FPS-40080128	Relay	2454	Door Switch (Magnetic)
FPS-40100139	Relay	2452	Door Switch (Magnetic)
FPS-40100144	Relay	2457	Door Switch (Magnetic)
FPS-40090152	Relay	2502	Door Switch (Magnetic)
FPS-40090126	Relay	2504	Door Switch (Magnetic)
FPS-40090144	Relay	2505	Door Switch (Magnetic)
FPS-40090128	Relay	2512	Door Switch (Magnetic)
FPS-40100137	Relay	2520	Door Switch (Magnetic)
FPS-40090141	Relay	2540	Door Switch (Magnetic)
FPS-40090153	Relay	2540	Door Switch (Magnetic)
FPS-40050144	Relay	2549	Door Switch (Magnetic)
FPS-40090140	Relay	2550	Door Switch (Magnetic)
FPS-40050135	Relay	2577	Door Switch (Magnetic)
FPS-40050126	Relay	2591	Door Switch (Magnetic)
FPS-40090149	Relay	2591	Door Switch (Magnetic)
FPS-40030143	Relay	2598	Door Switch (Magnetic)
FPS-40050143	Relay	2598	Door Switch (Magnetic)
FPS-40050162	Relay	2598	Door Switch (Magnetic)
FPS-40040143	Relay	2630	Door Switch (Magnetic)
FPS-40060126	Relay	2632	Door Switch (Magnetic)
FPS-40070150	Relay	2642	Door Switch (Magnetic)

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Door Switch (Magnetic)			
FPS-40040130	Relay	2719	Door Switch (Magnetic)
FPS-40040133	Relay	2726	Door Switch (Magnetic)
FPS-40040142	Relay	2731	Door Switch (Magnetic)
FPS-40030138	Relay	2752	Door Switch (Magnetic)
FPS-40030134	Relay	2781	Door Switch (Magnetic)
FPS-40030135	Relay	2786	Door Switch (Magnetic)
FPS-40030141	Relay	2766	Door Switch (Magnetic)
FPS-40020136	Relay	2808	Door Switch (Magnetic)
FPS-40020130	Relay	2868	Door Switch (Magnetic)
FPS-40020126	Relay	2877	Door Switch (Magnetic)
FPS-40030132	Relay	2880	Door Switch (Magnetic)
FPS-40100159	Relay	2ND FLR	Door Switch (Magnetic)
FPS-40070142	Relay	2ND FLR	Door Switch (Magnetic)
FPS-40070143	Relay	2ND FLR	Door Switch (Magnetic)
FPS-48050142	Relay	3010	Door Switch (Magnetic)
FPS-48050145	Relay	3010	Door Switch (Magnetic)
FPS-48050138	Relay	3026	Door Switch (Magnetic)
FPS-48050139	Relay	3027	Door Switch (Magnetic)
FPS-42050126	Relay	3080	Door Switch (Magnetic)
FPS-42050127	Relay	3080	Door Switch (Magnetic)
FPS-42040136	Relay	3100	Door Switch (Magnetic)
FPS-48050130	Relay	3102	Door Switch (Magnetic)
FPS-42040139	Relay	3110	Door Switch (Magnetic)
FPS-42040135	Relay	3124	Door Switch (Magnetic)
FPS-42040126	Relay	3202	Door Switch (Magnetic)
FPS-42050135	Relay	3207	Door Switch (Magnetic)
FPS-42050131	Relay	3222	Door Switch (Magnetic)
FPS-48110131	Relay	3310	Door Switch (Magnetic)
FPS-41050170	Relay	3411	Door Switch (Magnetic)
FPS-41050173	Relay	3411	Door Switch (Magnetic)
FPS-41050179	Relay	3411	Door Switch (Magnetic)
FPS-42020130	Relay	3416	Door Switch (Magnetic)
FPS-42020126	Relay	3419	Door Switch (Magnetic)
FPS-42020127	Relay	3419	Door Switch (Magnetic)
FPS-42020128	Relay	3419	Door Switch (Magnetic)
FPS-42020146	Relay	3452	Door Switch (Magnetic)
FPS-42020147	Relay	3452	Door Switch (Magnetic)
FPS-42020145	Relay	3453	Door Switch (Magnetic)
FPS-42030137	Relay	3466	Door Switch (Magnetic)
FPS-42020139	Relay	3466	Door Switch (Magnetic)
FPS-42020133	Relay	3460	Door Switch (Magnetic)
FPS-42030132	Relay	3473	Door Switch (Magnetic)
FPS-42020134	Relay	3475	Door Switch (Magnetic)
FPS-42020136	Relay	3475	Door Switch (Magnetic)
FPS-41050180	Relay	3510	Door Switch (Magnetic)
FPS-41050157	Relay	3510	Door Switch (Magnetic)
FPS-41050159	Relay	3510	Door Switch (Magnetic)
FPS-41050160	Relay	3510	Door Switch (Magnetic)
FPS-41050166	Relay	3510	Door Switch (Magnetic)
FPS-41040133	Relay	3522	Door Switch (Magnetic)
FPS-41040134	Relay	3522	Door Switch (Magnetic)

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Door Switch (Magnetic)			
FPS-48030144	Relay	3551	Door Switch (Magnetic)
FPS-48030145	Relay	3551	Door Switch (Magnetic)
FPS-48030146	Relay	3551	Door Switch (Magnetic)
FPS-41040135	Relay	3552	Door Switch (Magnetic)
FPS-48030126	Relay	3571	Door Switch (Magnetic)
FPS-48030127	Relay	3571	Door Switch (Magnetic)
FPS-48030128	Relay	3571	Door Switch (Magnetic)
FPS-41050148	Relay	3625	Door Switch (Magnetic)
FPS-48040132	Relay	3625	Door Switch (Magnetic)
FPS-48040137	Relay	3626	Door Switch (Magnetic)
FPS-41050141	Relay	3633	Door Switch (Magnetic)
FPS-41050156	Relay	3676	Door Switch (Magnetic)
FPS-41050129	Relay	3684	Door Switch (Magnetic)
FPS-48020128	Relay	3704	Door Switch (Magnetic)
FPS-48020129	Relay	3704	Door Switch (Magnetic)
FPS-41020126	Relay	3711	Door Switch (Magnetic)
FPS-41020129	Relay	3723	Door Switch (Magnetic)
FPS-41030134	Relay	3780	Door Switch (Magnetic)
FPS-41030140	Relay	3800	Door Switch (Magnetic)
FPS-41030143	Relay	3807	Door Switch (Magnetic)
FPS-41030144	Relay	3807	Door Switch (Magnetic)
FPS-41030126	Relay	3904	Door Switch (Magnetic)
FPS-41030129	Relay	3904	Door Switch (Magnetic)
FPS-41030133	Relay	3924	Door Switch (Magnetic)
FPS-41030130	Relay	3911	Door Switch (Magnetic)
FPS-42030128	Relay	3RD FLR	Door Switch (Magnetic)
FPS-42020137	Relay	3RD FLR	Door Switch (Magnetic)
FPS-42020140	Relay	3RD FLR	Door Switch (Magnetic)
FPS-41040128	Relay	3RD FLR	Door Switch (Magnetic)
FPS-41030139	Relay	3RD FLR	Door Switch (Magnetic)
FPS-41020132	Relay	3RD FLR	Door Switch (Magnetic)
FPS-48050133	Relay	3RD FLR	Door Switch (Magnetic)
FPS-48040136	Relay	3RD FLR	Door Switch (Magnetic)
FPS-48030137	Relay	3RD FLR	Door Switch (Magnetic)
FPS-48030140	Relay	3RD FLR	Door Switch (Magnetic)
FPS-42070141	Relay	4811	Door Switch (Magnetic)
FPS-42070130	Relay	4921	Door Switch (Magnetic)
FPS-42070137	Relay	4980	Door Switch (Magnetic)
FPS-43040139	Relay	4TH FLR	Door Switch (Magnetic)
FPS-42090126	Relay	4TH FLR	Door Switch (Magnetic)
FPS-42060134	Relay	4TH FLR	Door Switch (Magnetic)
FPS-42110156	Relay	4TH FLR	Door Switch (Magnetic)
FPS-42110132	Relay	4TH FLR	Door Switch (Magnetic)
FPS-43030130	Relay	4025	Door Switch (Magnetic)
FPS-43030133	Relay	4028	Door Switch (Magnetic)
FPS-43040151	Relay	4056	Door Switch (Magnetic)
FPS-43030126	Relay	4061	Door Switch (Magnetic)
FPS-43040131	Relay	4121	Door Switch (Magnetic)
FPS-43040129	Relay	4124	Door Switch (Magnetic)
FPS-43040126	Relay	4130	Door Switch (Magnetic)
FPS-43040142	Relay	4222	Door Switch (Magnetic)

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Door Switch (Magnetic)			
FPS-43040145	Relay	4227	Door Switch (Magnetic)
FPS-42100133	Relay	4312	Door Switch (Magnetic)
FPS-42100151	Relay	4392	Door Switch (Magnetic)
FPS-43020137	Relay	4393	Door Switch (Magnetic)
FPS-43020138	Relay	4393	Door Switch (Magnetic)
FPS-42110151	Relay	4401	Door Switch (Magnetic)
FPS-42110150	Relay	4402	Door Switch (Magnetic)
FPS-42110138	Relay	4417	Door Switch (Magnetic)
FPS-42110140	Relay	4418	Door Switch (Magnetic)
FPS-42110139	Relay	4420	Door Switch (Magnetic)
FPS-43020130	Relay	4425	Door Switch (Magnetic)
FPS-43020142	Relay	4426	Door Switch (Magnetic)
FPS-43020151	Relay	4430	Door Switch (Magnetic)
FPS-43020148	Relay	4431	Door Switch (Magnetic)
FPS-43020145	Relay	4440	Door Switch (Magnetic)
FPS-42110143	Relay	4475	Door Switch (Magnetic)
FPS-43020141	Relay	4497	Door Switch (Magnetic)
FPS-43020129	Relay	4497	Door Switch (Magnetic)
FPS-42080155	Relay	4503	Door Switch (Magnetic)
FPS-42080136	Relay	4518	Door Switch (Magnetic)
FPS-42090131	Relay	4519	Door Switch (Magnetic)
FPS-42080139	Relay	4552	Door Switch (Magnetic)
FPS-42080140	Relay	4552	Door Switch (Magnetic)
FPS-42080141	Relay	4552	Door Switch (Magnetic)
FPS-42080142	Relay	4555	Door Switch (Magnetic)
FPS-42080149	Relay	4564	Door Switch (Magnetic)
FPS-42080137	Relay	4572	Door Switch (Magnetic)
FPS-42080138	Relay	4572	Door Switch (Magnetic)
FPS-42110159	Relay	4600	Door Switch (Magnetic)
FPS-42090137	Relay	4632	Door Switch (Magnetic)
FPS-48070135	Relay	4709	Door Switch (Magnetic)
FPS-42060126	Relay	4727	Door Switch (Magnetic)
FPS-48060127	Relay	4754	Door Switch (Magnetic)
FPS-48060131	Relay	4760	Door Switch (Magnetic)
FPS-42070142	Relay	4772	Door Switch (Magnetic)
FPS-42070138	Relay	4774	Door Switch (Magnetic)
FPS-45020128	Relay	5-4W	Door Switch (Magnetic)
FPS-44020155	Relay	5TH FLR	Door Switch (Magnetic)
FPS-44020156	Relay	5TH FLR	Door Switch (Magnetic)
FPS-45060129	Relay	6301	Door Switch (Magnetic)
FPS-45080130	Relay	6562	Door Switch (Magnetic)
FPS-45080131	Relay	6562	Door Switch (Magnetic)
FPS-45060144	Relay	6560	Door Switch (Magnetic)
FPS-45060148	Relay	6560	Door Switch (Magnetic)
FPS-45060133	Relay	6562	Door Switch (Magnetic)
FPS-45070126	Relay	6TH FLR	Door Switch (Magnetic)
FPS-45090149	Relay	7301	Door Switch (Magnetic)
FPS-45110126	Relay	7400	Door Switch (Magnetic)
FPS-45090134	Relay	7547	Door Switch (Magnetic)
FPS-45090139	Relay	7560	Door Switch (Magnetic)
FPS-45100135	Relay	7TH FLR	Door Switch (Magnetic)

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Door Switch (Magnetic)			
FPS-45090143	Relay	7TH FLR	Door Switch (Magnetic)
FPS-46020149	Relay	8301	Door Switch (Magnetic)
FPS-46020136	Relay	8501	Door Switch (Magnetic)
FPS-46020139	Relay	8548	Door Switch (Magnetic)
FPS-46020143	Relay	8TH FLR	Door Switch (Magnetic)
FPS-46040133	Relay	8TH FLR	Door Switch (Magnetic)
FPS-46030135	Relay	8TH FLR	Door Switch (Magnetic)
FPS-37070139	Relay	LL FLR	Door Switch (Magnetic)
FPS-46070126	Relay	LL FLR	Door Switch (Magnetic)
FPS-46070127	Relay	LL FLR	Door Switch (Magnetic)
FPS-46070128	Relay	LL FLR	Door Switch (Magnetic)
FPS-46070129	Relay	LL FLR	Door Switch (Magnetic)
FPS-46110134	Relay	LL FLR	Door Switch (Magnetic)
FPS-46110128	Relay	LL FLR	Door Switch (Magnetic)
FPS-46100129	Relay	LL FLR	Door Switch (Magnetic)
FPS-46100130	Relay	LL FLR	Door Switch (Magnetic)
FPS-46100126	Relay	LL FLR	Door Switch (Magnetic)
FPS-38030167	Relay	LL FLR	Door Switch (Magnetic)
FPS-38020145	Relay	LL FLR	Door Switch (Magnetic)
FPS-38020146	Relay	LL FLR	Door Switch (Magnetic)
FPS-38020140	Relay	LL FLR	Door Switch (Magnetic)
FPS-37110130	Relay	LL FLR	Door Switch (Magnetic)
FPS-37090157	Relay	LL FLR	Door Switch (Magnetic)
FPS-37060151	Relay	LL FLR	Door Switch (Magnetic)
FPS-37060152	Relay	LL FLR	Door Switch (Magnetic)
FPS-37060147	Relay	LL FLR	Door Switch (Magnetic)
FPS-37060148	Relay	LL FLR	Door Switch (Magnetic)
FPS-37080132	Relay	LL FLR	Door Switch (Magnetic)
FPS-37080133	Relay	LL FLR	Door Switch (Magnetic)
FPS-46120136	Relay	LL100	Door Switch (Magnetic)
FPS-46120133	Relay	LL100	Door Switch (Magnetic)
FPS-38020132	Relay	LL115	Door Switch (Magnetic)
FPS-38020133	Relay	LL115	Door Switch (Magnetic)
FPS-37100142	Relay	LL126	Door Switch (Magnetic)
FPS-37100153	Relay	LL126	Door Switch (Magnetic)
FPS-38020128	Relay	LL130	Door Switch (Magnetic)
FPS-46120127	Relay	LL135	Door Switch (Magnetic)
FPS-46120130	Relay	LL135	Door Switch (Magnetic)
FPS-46110136	Relay	LL170	Door Switch (Magnetic)
FPS-46110137	Relay	LL172	Door Switch (Magnetic)
FPS-46110126	Relay	LL180	Door Switch (Magnetic)
FPS-37090128	Relay	LL211	Door Switch (Magnetic)
FPS-37110145	Relay	LL212	Door Switch (Magnetic)
FPS-37110128	Relay	LL245	Door Switch (Magnetic)
FPS-38030137	Relay	LL252	Door Switch (Magnetic)
FPS-38030138	Relay	LL254	Door Switch (Magnetic)
FPS-38030139	Relay	LL256	Door Switch (Magnetic)
FPS-38030140	Relay	LL258	Door Switch (Magnetic)
FPS-38030136	Relay	LL260	Door Switch (Magnetic)
FPS-38030152	Relay	LL274	Door Switch (Magnetic)
FPS-38030157	Relay	LL275	Door Switch (Magnetic)

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Door Switch (Magnetic)			
FPS-38030158	Relay	LL275	Door Switch (Magnetic)
FPS-38030165	Relay	LL275	Door Switch (Magnetic)
FPS-38030166	Relay	LL275	Door Switch (Magnetic)
FPS-38030155	Relay	LL275	Door Switch (Magnetic)
FPS-38030151	Relay	LL275	Door Switch (Magnetic)
FPS-38030146	Relay	LL275	Door Switch (Magnetic)
FPS-38030145	Relay	LL276	Door Switch (Magnetic)
FPS-37090134	Relay	LL309	Door Switch (Magnetic)
FPS-37090143	Relay	LL309	Door Switch (Magnetic)
FPS-37090146	Relay	LL309	Door Switch (Magnetic)
FPS-37090156	Relay	LL310	Door Switch (Magnetic)
FPS-37110140	Relay	LL366	Door Switch (Magnetic)
FPS-37110141	Relay	LL369	Door Switch (Magnetic)
FPS-37110137	Relay	LL372	Door Switch (Magnetic)
FPS-37080147	Relay	LL610	Door Switch (Magnetic)
FPS-37080142	Relay	LL605	Door Switch (Magnetic)
FPS-37070145	Relay	LL610	Door Switch (Magnetic)
FPS-37080140	Relay	LL619	Door Switch (Magnetic)
FPS-37080141	Relay	LL619	Door Switch (Magnetic)
FPS-37090151	Relay	LL411	Door Switch (Magnetic)
FPS-37090152	Relay	LL411	Door Switch (Magnetic)
FPS-37070134	Relay	LL475	Door Switch (Magnetic)
FPS-37090158	Relay	LL491	Door Switch (Magnetic)
FPS-37070129	Relay	LL603	Door Switch (Magnetic)
FPS-37060153	Relay	LL650	Door Switch (Magnetic)
FPS-37060154	Relay	LL650	Door Switch (Magnetic)
FPS-37070154	Relay	LL660	Door Switch (Magnetic)
FPS-37060146	Relay	LL667	Door Switch (Magnetic)
FPS-37060128	Relay	LL692	Door Switch (Magnetic)
FPS-37050126	Relay	LL705	Door Switch (Magnetic)
FPS-46090132	Relay	LL725	Door Switch (Magnetic)
FPS-46090128	Relay	LL728	Door Switch (Magnetic)
FPS-37040145	Relay	LL728	Door Switch (Magnetic)
FPS-37040134	Relay	LL800	Door Switch (Magnetic)
FPS-37040136	Relay	LL818	Door Switch (Magnetic)
FPS-37040130	Relay	LL872	Door Switch (Magnetic)
FPS-37040126	Relay	LL885	Door Switch (Magnetic)
FPS-37030142	Relay	LL967	Door Switch (Magnetic)
FPS-37020141	Relay	LL985	Door Switch (Magnetic)

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DUCT DETECTOR			
FPS-43030008	4-7-4-1	4009	DUCT DETECTOR
FPS-9040026	2-16-4-1	2P1009	DUCT DETECTOR
FPS-9040027	2-16-4-1	2P1009	DUCT DETECTOR
FPS-9020013	10-16-4-1	PH-LL	DUCT DETECTOR
FPS-39030004	1-2-4-3	1ST FLR	DUCT DETECTOR
FPS-38050131	1-2-4-3	1ST FLR	DUCT DETECTOR
FPS-38050005	1-2-4-3	1ST FLR	DUCT DETECTOR
FPS-38050007	1-2-4-3	1ST FLR	DUCT DETECTOR
FPS-38050136	1-2-4-3	1ST FLR	DUCT DETECTOR
FPS-39100024	1-6-4-1	1ST FLR	DUCT DETECTOR
FPS-40080007	2-6-4-1	2ND FLR	DUCT DETECTOR
FPS-40080008	2-6-4-1	2ND FLR	DUCT DETECTOR
FPS-41050001	3-4-4-1	3RD FLR	DUCT DETECTOR
FPS-41050035	3-5-4-1	3RD FLR	DUCT DETECTOR
FPS-42020011	3-6-4-1	3RD FLR	DUCT DETECTOR
FPS-43040011	4-8-4-2	4TH FLR	DUCT DETECTOR
FPS-48070003	4-7-4-1	4TH FLR	DUCT DETECTOR
FPS-43030001	4-7-4-1	4TH FLR	DUCT DETECTOR
FPS-42100015	4-7-4-1	4TH FLR	DUCT DETECTOR
FPS-42100012	4-5-4-1	4TH FLR	DUCT DETECTOR
FPS-42100013	4-5-4-1	4TH FLR	DUCT DETECTOR
FPS-42060007	4-1-4-1	4TH FLR	DUCT DETECTOR
FPS-42060008	4-1-4-1	4TH FLR	DUCT DETECTOR
FPS-42060009	4-1-4-1	4TH FLR	DUCT DETECTOR
FPS-48080003	5-5-4-2	5TH FLR	DUCT DETECTOR
FPS-45080010	6-4-4-1	6TH FLR	DUCT DETECTOR
FPS-45080011	6-6-4-1	6TH FLR	DUCT DETECTOR
FPS-45110008	7-6-4-1	7TH FLR	DUCT DETECTOR
FPS-45090012	7-3-4-1	7TH FLR	DUCT DETECTOR
FPS-46040003	8-6-4-1	8TH FLR	DUCT DETECTOR
FPS-46020012	8-3-4-1	8TH FLR	DUCT DETECTOR
FPS-46060029	9-5-1-1	9TH FLR	DUCT DETECTOR
FPS-39100031	1-5-4-1	1310	DUCT DETECTOR
FPS-39100030	1-8-4-1	1150	DUCT DETECTOR
FPS-39100009	1-8-4-1	1150	DUCT DETECTOR
FPS-39100010	1-8-4-1	1150	DUCT DETECTOR
FPS-39100012	1-8-4-1	1150	DUCT DETECTOR
FPS-39100013	1-8-4-1	1150	DUCT DETECTOR
FPS-39100015	1-8-4-1	1150	DUCT DETECTOR
FPS-39100019	1-8-4-1	1170	DUCT DETECTOR
FPS-39100021	1-8-4-1	1170	DUCT DETECTOR
FPS-39050012	1-4-4-1	1549	DUCT DETECTOR
FPS-39080031	1-6-4-1	1501	DUCT DETECTOR
FPS-39080020	1-6-4-1	1475	DUCT DETECTOR
FPS-39080038	1-6-4-1	1457	DUCT DETECTOR
FPS-39080029	1-6-4-1	1453	DUCT DETECTOR
FPS-39080005	1-6-4-1	1315	DUCT DETECTOR
FPS-39070001	1-3-4-1	1392	DUCT DETECTOR
FPS-39070002	1-3-4-1	1392	DUCT DETECTOR
FPS-39100003	1-6-4-1	1311	DUCT DETECTOR
FPS-47030007	1-2-4-2	1880	DUCT DETECTOR

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DUCT DETECTOR			
FPS-38040147	1-1-4-1	1846	DUCT DETECTOR
FPS-38040148	1-1-4-1	1846	DUCT DETECTOR
FPS-38050017	1-1-4-2	1839	DUCT DETECTOR
FPS-38050019	1-1-4-2	1839	DUCT DETECTOR
FPS-38050025	1-1-4-2	1838	DUCT DETECTOR
FPS-38040009	1-1-4-1	1838	DUCT DETECTOR
FPS-38040010	1-1-4-1	1838	DUCT DETECTOR
FPS-38050158	1-1-4-2	1838	DUCT DETECTOR
FPS-47020013	1-3-4-1	1821	DUCT DETECTOR
FPS-47020015	1-3-4-1	1821	DUCT DETECTOR
FPS-47020022	1-4-4-1	1821	DUCT DETECTOR
FPS-47020023	1-4-4-1	1821	DUCT DETECTOR
FPS-47040004	1-2-4-4	1786	DUCT DETECTOR
FPS-47030002	1-2-4-2	1780	DUCT DETECTOR
FPS-47030003	1-2-4-2	1780	DUCT DETECTOR
FPS-47030004	1-2-4-2	1780	DUCT DETECTOR
FPS-47030011	1-1-4-2	1771	DUCT DETECTOR
FPS-47030009	1-1-4-2	1772	DUCT DETECTOR
FPS-47030010	1-1-4-2	1772	DUCT DETECTOR
FPS-39030002	1-2-4-3	1737	DUCT DETECTOR
FPS-38050024	1-2-4-3	1729	DUCT DETECTOR
FPS-38050010	1-1-4-2	1709	DUCT DETECTOR
FPS-38050011	1-1-4-2	1709	DUCT DETECTOR
FPS-39050018	1-4-4-1	1605	DUCT DETECTOR
FPS-39030004	1-2-4-3	1ST FLR	DUCT DETECTOR
FPS-38050131	1-2-4-3	1ST FLR	DUCT DETECTOR
FPS-38050005	1-2-4-3	1ST FLR	DUCT DETECTOR
FPS-38050007	1-2-4-3	1ST FLR	DUCT DETECTOR
FPS-38050136	1-2-4-3	1ST FLR	DUCT DETECTOR
FPS-39100024	1-6-4-1	1ST FLR	DUCT DETECTOR
FPS-47040011	1-2-4-4	1959	DUCT DETECTOR
FPS-40110007	2-7-4-1	2135	DUCT DETECTOR
FPS-40110008	2-7-4-1	2137	DUCT DETECTOR
FPS-40110003	2-8-4-2	2176	DUCT DETECTOR
FPS-40110004	2-8-4-2	2176	DUCT DETECTOR
FPS-40100023	2-6-4-3	2423	DUCT DETECTOR
FPS-40070004	2-5-4-1	2371	DUCT DETECTOR
FPS-40070007	2-5-4-1	2354	DUCT DETECTOR
FPS-40110001	2-8-4-2	2197	DUCT DETECTOR
FPS-40110002	2-8-4-2	2196	DUCT DETECTOR
FPS-43050130	2-8-4-2	2213	DUCT DETECTOR
FPS-43050131	2-8-4-2	2213	DUCT DETECTOR
FPS-43050006	2-8-4-2	2213	DUCT DETECTOR
FPS-43050007	2-8-4-2	2213	DUCT DETECTOR
FPS-40030004	2-1-4-1	2882	DUCT DETECTOR
FPS-40020002	2-2-4-1	2877	DUCT DETECTOR
FPS-40030008	2-1-4-1	2801	DUCT DETECTOR
FPS-40020009	2-2-4-1	2862	DUCT DETECTOR
FPS-40030002	2-1-4-1	2738	DUCT DETECTOR
FPS-40030013	2-1-4-1	2739	DUCT DETECTOR
FPS-40020014	2-1-4-1	2748	DUCT DETECTOR

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DUCT DETECTOR			
FPS-40020015	2-1-4-1	2748	DUCT DETECTOR
FPS-40020016	2-1-4-1	2748	DUCT DETECTOR
FPS-40070023	2-3-4-1	2644	DUCT DETECTOR
FPS-40050140	2-4-4-1	2654	DUCT DETECTOR
FPS-40050012	2-4-4-1	2654	DUCT DETECTOR
FPS-40060005	2-3-4-1	2620	DUCT DETECTOR
FPS-40080137	2-3-4-1	2600	DUCT DETECTOR
FPS-40060003	2-3-4-1	2620	DUCT DETECTOR
FPS-40080010	2-3-4-1	2600	DUCT DETECTOR
FPS-40050007	2-4-4-1	2598	DUCT DETECTOR
FPS-40050008	2-4-4-1	2598	DUCT DETECTOR
FPS-40030017	2-4-4-1	2598	DUCT DETECTOR
FPS-40050133	2-4-4-1	2598	DUCT DETECTOR
FPS-40050134	2-4-4-1	2598	DUCT DETECTOR
FPS-40050161	2-4-4-1	2549	DUCT DETECTOR
FPS-40050017	2-4-4-1	2549	DUCT DETECTOR
FPS-40100022	2-6-4-3	2517	DUCT DETECTOR
FPS-40100021	2-6-4-3	2518	DUCT DETECTOR
FPS-40100020	2-6-4-3	2513	DUCT DETECTOR
FPS-40100157	2-6-4-3	2457	DUCT DETECTOR
FPS-40100027	2-6-4-3	2457	DUCT DETECTOR
FPS-40070151	2-3-4-1	2466	DUCT DETECTOR
FPS-40100019	2-6-4-3	2454	DUCT DETECTOR
FPS-40100024	2-6-4-3	2426	DUCT DETECTOR
FPS-40090003	2-6-4-2	2443	DUCT DETECTOR
FPS-40080007	2-6-4-1	2ND FLR	DUCT DETECTOR
FPS-40080008	2-6-4-1	2ND FLR	DUCT DETECTOR
FPS-48050016	3-7-4-1	3056	DUCT DETECTOR
FPS-48050148	3-7-4-1	3056	DUCT DETECTOR
FPS-42040004	3-8-4-1	3080	DUCT DETECTOR
FPS-42050001	3-8-4-1	3080	DUCT DETECTOR
FPS-48050146	3-7-4-1	3010	DUCT DETECTOR
FPS-48050147	3-7-4-1	3010	DUCT DETECTOR
FPS-48050014	3-7-4-1	3010	DUCT DETECTOR
FPS-48050015	3-7-4-1	3010	DUCT DETECTOR
FPS-41050041	3-4-4-1	3510	DUCT DETECTOR
FPS-41050030	3-4-4-1	3510	DUCT DETECTOR
FPS-42020014	3-6-4-1	3460	DUCT DETECTOR
FPS-41050025	3-4-4-1	3510	DUCT DETECTOR
FPS-42020008	3-6-4-1	3475	DUCT DETECTOR
FPS-42030009	3-6-4-2	3464	DUCT DETECTOR
FPS-42020003	3-6-4-1	3418	DUCT DETECTOR
FPS-42030005	3-6-4-2	3419	DUCT DETECTOR
FPS-42030006	3-6-4-2	3419	DUCT DETECTOR
FPS-42030007	3-6-4-2	3419	DUCT DETECTOR
FPS-42020005	3-6-4-1	3418	DUCT DETECTOR
FPS-42020006	3-6-4-1	3416	DUCT DETECTOR
FPS-42050003	3-8-4-1	3229	DUCT DETECTOR
FPS-42040005	3-8-4-1	3229	DUCT DETECTOR
FPS-41050001	3-4-4-1	3RD FLR	DUCT DETECTOR
FPS-42020011	3-6-4-1	3RD FLR	DUCT DETECTOR

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DUCT DETECTOR			
FPS-41050035	3-5-4-1	3RD FLR	DUCT DETECTOR
FPS-41020007	3-1-4-1	3722	DUCT DETECTOR
FPS-48020010	3-1-4-1	3760	DUCT DETECTOR
FPS-41020008	3-1-4-1	3761	DUCT DETECTOR
FPS-48020009	3-1-4-1	3770	DUCT DETECTOR
FPS-48020008	3-1-4-1	3770	DUCT DETECTOR
FPS-48020006	3-1-4-1	3701	DUCT DETECTOR
FPS-48020007	3-1-4-1	3701	DUCT DETECTOR
FPS-48020130	3-1-4-1	3701	DUCT DETECTOR
FPS-48020131	3-1-4-1	3701	DUCT DETECTOR
FPS-41050004	3-4-4-1	3683	DUCT DETECTOR
FPS-41050007	3-4-4-1	3683	DUCT DETECTOR
FPS-41050008	3-4-4-1	3683	DUCT DETECTOR
FPS-41050010	3-4-4-1	3680	DUCT DETECTOR
FPS-41050011	3-4-4-1	3680	DUCT DETECTOR
FPS-48040138	3-3-4-1	3626	DUCT DETECTOR
FPS-48040016	3-3-4-1	3626	DUCT DETECTOR
FPS-41050018	3-3-4-1	3625	DUCT DETECTOR
FPS-41050024	3-4-4-1	3600	DUCT DETECTOR
FPS-48040009	3-3-4-1	3602	DUCT DETECTOR
FPS-48040133	3-3-4-1	3602	DUCT DETECTOR
FPS-42060007	4-1-4-1	4TH FLR	DUCT DETECTOR
FPS-42060008	4-1-4-1	4TH FLR	DUCT DETECTOR
FPS-42060009	4-1-4-1	4TH FLR	DUCT DETECTOR
FPS-42100015	4-7-4-1	4TH FLR	DUCT DETECTOR
FPS-42100012	4-5-4-1	4TH FLR	DUCT DETECTOR
FPS-42100013	4-5-4-1	4TH FLR	DUCT DETECTOR
FPS-43040011	4-8-4-2	4TH FLR	DUCT DETECTOR
FPS-48070003	4-7-4-1	4TH FLR	DUCT DETECTOR
FPS-43030001	4-7-4-1	4TH FLR	DUCT DETECTOR
FPS-48060008	4-1-4-1	4760	DUCT DETECTOR
FPS-48060009	4-1-4-1	4760	DUCT DETECTOR
FPS-48060010	4-1-4-1	4760	DUCT DETECTOR
FPS-48060011	4-1-4-1	4760	DUCT DETECTOR
FPS-48060003	4-1-4-1	4754	DUCT DETECTOR
FPS-48060005	4-1-4-1	4754	DUCT DETECTOR
FPS-42080005	4-4-4-1	4640	DUCT DETECTOR
FPS-42080004	4-4-4-1	4642	DUCT DETECTOR
FPS-42090006	4-4-4-1	4643	DUCT DETECTOR
FPS-42110027	4-3-4-1	4603	DUCT DETECTOR
FPS-42110028	4-3-4-1	4603	DUCT DETECTOR
FPS-42080018	4-4-4-1	4557	DUCT DETECTOR
FPS-42090010	4-4-4-1	4515	DUCT DETECTOR
FPS-42090011	4-4-4-1	4515	DUCT DETECTOR
FPS-42090012	4-4-4-1	4515	DUCT DETECTOR
FPS-43020002	4-6-4-1	4480	DUCT DETECTOR
FPS-43020003	4-6-4-1	4480	DUCT DETECTOR
FPS-42100023	4-5-4-1	4441	DUCT DETECTOR
FPS-42100024	4-5-4-1	4441	DUCT DETECTOR
FPS-42110011	4-6-4-1	4416	DUCT DETECTOR
FPS-42100004	4-5-4-1	4395	DUCT DETECTOR

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DUCT DETECTOR			
FPS-42100005	4-3-4-1	4395	DUCT DETECTOR
FPS-42100006	4-3-4-1	4395	DUCT DETECTOR
FPS-42100028	4-3-4-1	4323	DUCT DETECTOR
FPS-42100011	4-5-1-1	4390	DUCT DETECTOR
FPS-42100014	4-5-4-1	4391	DUCT DETECTOR
FPS-43040018	4-8-4-2	4227	DUCT DETECTOR
FPS-43040012	4-8-4-2	4222	DUCT DETECTOR
FPS-43040020	4-8-4-2	4211	DUCT DETECTOR
FPS-43040006	4-8-4-2	4122	DUCT DETECTOR
FPS-48070004	4-7-4-1	4109	DUCT DETECTOR
FPS-48070002	4-7-4-1	4055	DUCT DETECTOR
FPS-43030008	4-7-4-1	4009	DUCT DETECTOR
FPS-43030009	4-7-4-1	4010	DUCT DETECTOR
FPS-45040001	11-5-4-1	5-4E	DUCT DETECTOR
FPS-45040002	11-5-4-1	5-4E	DUCT DETECTOR
FPS-44030001	5-7-4-1	5150	DUCT DETECTOR
FPS-44030002	5-7-4-1	5150	DUCT DETECTOR
FPS-44030003	5-7-4-1	5150	DUCT DETECTOR
FPS-44030004	5-7-4-1	5150	DUCT DETECTOR
FPS-44030005	5-7-4-1	5150	DUCT DETECTOR
FPS-45030006	11-3-4-1	5-4W	DUCT DETECTOR
FPS-45030007	11-3-4-1	5-4W	DUCT DETECTOR
FPS-45030008	11-3-4-1	5-4W	DUCT DETECTOR
FPS-45030009	11-3-4-1	5-4W	DUCT DETECTOR
FPS-45030001	11-3-4-1	5-4W	DUCT DETECTOR
FPS-45030002	11-3-4-1	5-4W	DUCT DETECTOR
FPS-45030003	11-3-4-1	5-4W	DUCT DETECTOR
FPS-45030004	11-3-4-1	5-4W	DUCT DETECTOR
FPS-45030005	11-3-4-1	5-4W	DUCT DETECTOR
FPS-45050003	11-8-4-1	5-4E	DUCT DETECTOR
FPS-45050004	11-8-4-1	5-4E	DUCT DETECTOR
FPS-45050005	11-8-4-1	5-4E	DUCT DETECTOR
FPS-45050006	11-8-4-1	5-4E	DUCT DETECTOR
FPS-45050007	11-8-4-1	5-4E	DUCT DETECTOR
FPS-45040003	11-5-4-1	5-4E	DUCT DETECTOR
FPS-45040004	11-5-4-1	5-4E	DUCT DETECTOR
FPS-45040005	11-5-4-1	5-4E	DUCT DETECTOR
FPS-45040006	11-5-4-1	5-4E	DUCT DETECTOR
FPS-45040007	11-5-4-1	5-4E	DUCT DETECTOR
FPS-45050001	11-8-4-1	5-4E	DUCT DETECTOR
FPS-45050002	11-8-4-1	5-4E	DUCT DETECTOR
FPS-45020001	11-1-4-1	5-4W	DUCT DETECTOR
FPS-45020002	11-1-4-1	5-4W	DUCT DETECTOR
FPS-45020003	11-1-4-1	5-4W	DUCT DETECTOR
FPS-45020004	11-1-4-1	5-4W	DUCT DETECTOR
FPS-45020005	11-1-4-1	5-4W	DUCT DETECTOR
FPS-45020006	11-1-4-1	5-4W	DUCT DETECTOR
FPS-44030006	5-7-4-1	5150	DUCT DETECTOR
FPS-44030007	5-7-4-1	5150	DUCT DETECTOR
FPS-44040001	5-8-4-1	5250	DUCT DETECTOR
FPS-44040002	5-8-4-1	5250	DUCT DETECTOR

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DUCT DETECTOR			
FPS-44040003	5-8-4-1	5250	DUCT DETECTOR
FPS-44040004	5-8-4-1	5250	DUCT DETECTOR
FPS-44040005	5-8-4-1	5250	DUCT DETECTOR
FPS-44040006	5-8-4-1	5250	DUCT DETECTOR
FPS-44040028	5-8-4-1	5250	DUCT DETECTOR
FPS-44040033	5-8-4-1	5250	DUCT DETECTOR
FPS-44040034	5-8-4-1	5250	DUCT DETECTOR
FPS-44040022	5-8-4-1	5250	DUCT DETECTOR
FPS-44040023	5-8-4-1	5250	DUCT DETECTOR
FPS-44040024	5-8-4-1	5250	DUCT DETECTOR
FPS-44040025	5-8-4-1	5250	DUCT DETECTOR
FPS-44040026	5-8-4-1	5250	DUCT DETECTOR
FPS-44040027	5-8-4-1	5250	DUCT DETECTOR
FPS-44040016	5-8-4-1	5250	DUCT DETECTOR
FPS-44040017	5-8-4-1	5250	DUCT DETECTOR
FPS-44040018	5-8-4-1	5250	DUCT DETECTOR
FPS-44040019	5-8-4-1	5250	DUCT DETECTOR
FPS-44040020	5-8-4-1	5250	DUCT DETECTOR
FPS-44040021	5-8-4-1	5250	DUCT DETECTOR
FPS-44040007	5-8-4-1	5250	DUCT DETECTOR
FPS-44040011	5-8-4-1	5250	DUCT DETECTOR
FPS-44040012	5-8-4-1	5250	DUCT DETECTOR
FPS-44040013	5-8-4-1	5250	DUCT DETECTOR
FPS-44040014	5-8-4-1	5250	DUCT DETECTOR
FPS-44040015	5-8-4-1	5250	DUCT DETECTOR
FPS-48080003	5-5-4-2	5TH FLR	DUCT DETECTOR
FPS-43070006	5-2-4-1	5850	DUCT DETECTOR
FPS-43060005	5-1-4-1	5750	DUCT DETECTOR
FPS-43060006	5-1-4-1	5750	DUCT DETECTOR
FPS-43060007	5-1-4-1	5750	DUCT DETECTOR
FPS-43060008	5-1-4-1	5750	DUCT DETECTOR
FPS-43060009	5-1-4-1	5750	DUCT DETECTOR
FPS-43060010	5-1-4-1	5750	DUCT DETECTOR
FPS-43070025	5-1-4-1	5850	DUCT DETECTOR
FPS-43070026	5-1-4-1	5850	DUCT DETECTOR
FPS-43070019	5-1-4-1	5850	DUCT DETECTOR
FPS-43070020	5-1-4-1	5850	DUCT DETECTOR
FPS-43070021	5-1-4-1	5850	DUCT DETECTOR
FPS-43070022	5-1-4-1	5850	DUCT DETECTOR
FPS-43070023	5-1-4-1	5850	DUCT DETECTOR
FPS-43070024	5-1-4-1	5850	DUCT DETECTOR
FPS-43070013	5-1-4-1	5850	DUCT DETECTOR
FPS-43070014	5-2-4-1	5850	DUCT DETECTOR
FPS-43070015	5-1-4-1	5850	DUCT DETECTOR
FPS-43070016	5-1-4-1	5850	DUCT DETECTOR
FPS-43070017	5-1-4-1	5850	DUCT DETECTOR
FPS-43070018	5-1-4-1	5850	DUCT DETECTOR
FPS-43070007	5-2-4-1	5850	DUCT DETECTOR
FPS-43070008	5-2-4-1	5850	DUCT DETECTOR
FPS-43070009	5-2-4-1	5850	DUCT DETECTOR
FPS-43070010	5-2-4-1	5850	DUCT DETECTOR

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DUCT DETECTOR			
FPS-43070011	5-2-4-1	5850	DUCT DETECTOR
FPS-43070012	5-2-4-1	5850	DUCT DETECTOR
FPS-43110048	5-6-4-1	5410	DUCT DETECTOR
FPS-43110049	5-6-4-1	5410	DUCT DETECTOR
FPS-43110050	5-6-4-1	5410	DUCT DETECTOR
FPS-48080006	5-5-4-2	5310	DUCT DETECTOR
FPS-48090004	5-5-4-2	5325	DUCT DETECTOR
FPS-48090002	5-5-4-2	5350	DUCT DETECTOR
FPS-48090003	5-5-4-2	5350	DUCT DETECTOR
FPS-44020016	5-6-4-1	5450	DUCT DETECTOR
FPS-44020017	5-6-4-1	5450	DUCT DETECTOR
FPS-44020018	5-6-4-1	5450	DUCT DETECTOR
FPS-44020019	5-6-4-1	5450	DUCT DETECTOR
FPS-44020020	5-6-4-1	5450	DUCT DETECTOR
FPS-44020021	5-6-4-1	5450	DUCT DETECTOR
FPS-44020010	5-6-4-1	5450	DUCT DETECTOR
FPS-44020011	5-6-4-1	5450	DUCT DETECTOR
FPS-44020012	5-6-4-1	5450	DUCT DETECTOR
FPS-44020013	5-6-4-1	5450	DUCT DETECTOR
FPS-44020014	5-6-4-1	5450	DUCT DETECTOR
FPS-44020015	5-6-4-1	5450	DUCT DETECTOR
FPS-44020004	5-6-4-1	5450	DUCT DETECTOR
FPS-44020005	5-6-4-1	5450	DUCT DETECTOR
FPS-44020006	5-6-4-1	5450	DUCT DETECTOR
FPS-44020007	5-6-4-1	5450	DUCT DETECTOR
FPS-44020008	5-6-4-1	5450	DUCT DETECTOR
FPS-44020009	5-6-4-1	5450	DUCT DETECTOR
FPS-43110047	5-6-4-1	5455	DUCT DETECTOR
FPS-44020001	5-6-4-1	5450	DUCT DETECTOR
FPS-44020002	5-6-4-1	5450	DUCT DETECTOR
FPS-44020003	5-6-4-1	5450	DUCT DETECTOR
FPS-43110046	5-6-4-1	5420	DUCT DETECTOR
FPS-43100001	5-4-4-2	5520	DUCT DETECTOR
FPS-43100002	5-4-4-2	5520	DUCT DETECTOR
FPS-43100003	5-4-4-2	5520	DUCT DETECTOR
FPS-43100004	5-4-4-2	5520	DUCT DETECTOR
FPS-43100005	5-4-4-2	5520	DUCT DETECTOR
FPS-44020022	5-6-4-1	5450	DUCT DETECTOR
FPS-44020023	5-6-4-1	5450	DUCT DETECTOR
FPS-43100006	5-4-4-2	5520	DUCT DETECTOR
FPS-43100007	5-4-4-2	5520	DUCT DETECTOR
FPS-43100008	5-4-4-2	5520	DUCT DETECTOR
FPS-43100009	5-4-4-2	5520	DUCT DETECTOR
FPS-43100010	5-4-4-2	5520	DUCT DETECTOR
FPS-43100011	5-4-4-2	5520	DUCT DETECTOR
FPS-43090019	5-4-4-1	5550	DUCT DETECTOR
FPS-43090020	5-4-4-1	5550	DUCT DETECTOR
FPS-43090021	5-4-4-1	5550	DUCT DETECTOR
FPS-43090022	5-4-4-1	5550	DUCT DETECTOR
FPS-43090023	5-4-4-1	5550	DUCT DETECTOR
FPS-43090001	5-4-4-1	5550	DUCT DETECTOR

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DUCT DETECTOR			
FPS-43090002	5-4-4-1	5550	DUCT DETECTOR
FPS-43090003	5-4-4-1	5550	DUCT DETECTOR
FPS-43100012	5-4-4-2	5520	DUCT DETECTOR
FPS-43100013	5-4-4-2	5520	DUCT DETECTOR
FPS-43100014	5-4-4-2	5520	DUCT DETECTOR
FPS-43100015	5-4-4-2	5520	DUCT DETECTOR
FPS-43100016	5-4-4-2	5520	DUCT DETECTOR
FPS-43090030	5-4-4-1	5550	DUCT DETECTOR
FPS-43090031	5-4-4-1	5550	DUCT DETECTOR
FPS-43090032	5-4-4-1	5550	DUCT DETECTOR
FPS-43090033	5-4-4-1	5550	DUCT DETECTOR
FPS-43090034	5-4-4-1	5550	DUCT DETECTOR
FPS-43090035	5-4-4-1	5550	DUCT DETECTOR
FPS-43090024	5-4-4-1	5550	DUCT DETECTOR
FPS-43090025	5-4-4-1	5550	DUCT DETECTOR
FPS-43090026	5-4-4-1	5550	DUCT DETECTOR
FPS-43090027	5-4-4-1	5550	DUCT DETECTOR
FPS-43090028	5-4-4-1	5550	DUCT DETECTOR
FPS-43090029	5-4-4-1	5550	DUCT DETECTOR
FPS-43090036	5-4-4-1	5550	DUCT DETECTOR
FPS-43090037	5-4-4-1	5550	DUCT DETECTOR
FPS-43090038	5-4-4-1	5550	DUCT DETECTOR
FPS-43060001	5-1-4-1	5750	DUCT DETECTOR
FPS-43060002	5-1-4-1	5750	DUCT DETECTOR
FPS-43060003	5-1-4-1	5750	DUCT DETECTOR
FPS-43060004	5-1-4-1	5750	DUCT DETECTOR
FPS-45060003	6-5-4-1	6301	DUCT DETECTOR
FPS-45070008	6-5-4-1	6311	DUCT DETECTOR
FPS-45080001	6-6-4-1	6361	DUCT DETECTOR
FPS-45080002	6-6-4-1	6361	DUCT DETECTOR
FPS-45080003	6-6-4-1	6361	DUCT DETECTOR
FPS-45080004	6-6-4-1	6361	DUCT DETECTOR
FPS-45080010	6-4-4-1	6TH FLR	DUCT DETECTOR
FPS-45080011	6-6-4-1	6TH FLR	DUCT DETECTOR
FPS-45060007	6-3-4-1	6562	DUCT DETECTOR
FPS-45060017	6-3-4-1	6501	DUCT DETECTOR
FPS-45060015	6-3-4-1	6501	DUCT DETECTOR
FPS-45060013	6-3-4-1	6501	DUCT DETECTOR
FPS-45060014	6-3-4-1	6502	DUCT DETECTOR
FPS-45060018	6-3-4-1	6502	DUCT DETECTOR
FPS-45090018	7-5-1-1	7301	DUCT DETECTOR
FPS-45110008	7-6-4-1	7TH FLR	DUCT DETECTOR
FPS-45110004	7-6-4-1	7400	DUCT DETECTOR
FPS-45090006	7-3-4-1	7502	DUCT DETECTOR
FPS-45090007	7-3-4-1	7503	DUCT DETECTOR
FPS-45090008	7-3-4-1	7503	DUCT DETECTOR
FPS-45100002	7-5-4-1	7349	DUCT DETECTOR
FPS-45110011	7-6-4-1	7351	DUCT DETECTOR
FPS-45110009	7-6-4-1	7361	DUCT DETECTOR
FPS-45110010	7-6-4-1	7361	DUCT DETECTOR
FPS-45090012	7-3-4-1	7TH FLR	DUCT DETECTOR

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DUCT DETECTOR			
FPS-46020017	8-5-4-1	8301	DUCT DETECTOR
FPS-46030010	8-5-4-1	8302	DUCT DETECTOR
FPS-46040001	8-6-4-1	8351	DUCT DETECTOR
FPS-46020007	8-3-4-1	8502	DUCT DETECTOR
FPS-46020005	8-3-4-1	8501	DUCT DETECTOR
FPS-46020003	8-3-4-1	8502	DUCT DETECTOR
FPS-46020008	8-3-4-1	8503	DUCT DETECTOR
FPS-46040002	8-6-4-1	8361	DUCT DETECTOR
FPS-46040005	8-4-4-1	8400	DUCT DETECTOR
FPS-46040006	8-4-4-1	8400	DUCT DETECTOR
FPS-46020012	8-3-4-1	8TH FLR	DUCT DETECTOR
FPS-46040003	8-6-4-1	8TH FLR	DUCT DETECTOR
FPS-46060010	9-5-4-1	9350	DUCT DETECTOR
FPS-46060028	9-5-1-1	9400	DUCT DETECTOR
FPS-46060026	9-5-1-1	9400	DUCT DETECTOR
FPS-46060027	9-5-1-1	9400	DUCT DETECTOR
FPS-46060029	9-5-1-1	9TH FLR	DUCT DETECTOR
FPS-46060001	9-3-4-1	9512	DUCT DETECTOR
FPS-46060002	9-3-4-1	9512	DUCT DETECTOR
FPS-46060013	9-3-4-1	9414	DUCT DETECTOR
FPS-46060014	9-3-4-1	9414	DUCT DETECTOR
FPS-46060015	9-5-4-1	9414	DUCT DETECTOR
FPS-46060021	9-3-4-1	9400	DUCT DETECTOR
FPS-37060006	10-4-4-1	LL FLR	DUCT DETECTOR
FPS-37060007	10-4-4-1	LL FLR	DUCT DETECTOR
FPS-37060008	10-4-4-1	LL FLR	DUCT DETECTOR
FPS-46090005	10-4-4-1	LL FLR	DUCT DETECTOR
FPS-46110009	10-8-4-1	LL FLR	DUCT DETECTOR
FPS-46110005	10-7-4-1	LL FLR	DUCT DETECTOR
FPS-46070006	10-13-4-1	LL FLR	DUCT DETECTOR
FPS-37070001	10-5-4-1	LL427	DUCT DETECTOR
FPS-37110012	10-6-4-2	LL360	DUCT DETECTOR
FPS-38030029	10-8-4-2	LL265	DUCT DETECTOR
FPS-37110003	10-8-4-2	LL245	DUCT DETECTOR
FPS-38030005	10-8-4-2	LL251	DUCT DETECTOR
FPS-38030006	10-8-4-2	LL251	DUCT DETECTOR
FPS-37090013	10-7-4-1	LL182	DUCT DETECTOR
FPS-37090014	10-7-4-1	LL182	DUCT DETECTOR
FPS-37100023	10-7-4-1	LL186	DUCT DETECTOR
FPS-37100018	10-7-4-1	LL186	DUCT DETECTOR
FPS-46110002	10-7-4-1	LL175	DUCT DETECTOR
FPS-38020013	10-8-4-1	LL160	DUCT DETECTOR
FPS-38020014	10-8-4-1	LL160	DUCT DETECTOR
FPS-46120001	10-12-4-1	LL135	DUCT DETECTOR
FPS-38020002	10-8-4-1	LL130	DUCT DETECTOR
FPS-38020001	10-8-4-1	LL132	DUCT DETECTOR
FPS-38020126	10-8-4-1	LL132	DUCT DETECTOR
FPS-38020127	10-8-4-1	LL130	DUCT DETECTOR
FPS-38020004	10-8-4-1	LL116	DUCT DETECTOR
FPS-37100002	10-7-4-1	LL120	DUCT DETECTOR
FPS-37100014	10-7-4-1	LL124	DUCT DETECTOR

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DUCT DETECTOR			
FPS-37100016	10-7-4-1	LL124	DUCT DETECTOR
FPS-37100017	10-7-4-1	LL124	DUCT DETECTOR
FPS-37100004	10-7-4-1	LL101	DUCT DETECTOR
FPS-37100005	10-7-4-1	LL101	DUCT DETECTOR
FPS-37090005	10-6-4-2	LL FLR	DUCT DETECTOR
FPS-37070014	10-3-4-2	LL FLR	DUCT DETECTOR
FPS-46080003	10-2-4-2	LL980	DUCT DETECTOR
FPS-46080004	10-2-4-2	LL980	DUCT DETECTOR
FPS-37030001	10-3-4-2	LL902	DUCT DETECTOR
FPS-37030002	10-3-4-2	LL902	DUCT DETECTOR
FPS-37030003	10-1-4-2	LL926	DUCT DETECTOR
FPS-37030004	10-1-4-2	LL926	DUCT DETECTOR
FPS-37030005	10-1-4-2	LL926	DUCT DETECTOR
FPS-37030006	10-1-4-2	LL967	DUCT DETECTOR
FPS-37040002	10-2-4-1	LL878	DUCT DETECTOR
FPS-37040008	10-4-4-1	LL765	DUCT DETECTOR
FPS-37040006	10-2-4-1	LL800	DUCT DETECTOR
FPS-46090009	10-4-4-1	LL725	DUCT DETECTOR
FPS-46090013	10-4-4-1	LL725	DUCT DETECTOR
FPS-37050012	10-3-4-1	LL527	DUCT DETECTOR
FPS-37050009	10-3-4-1	LL500	DUCT DETECTOR
FPS-37050010	10-3-4-1	LL521	DUCT DETECTOR
FPS-37050011	10-3-4-1	LL521	DUCT DETECTOR
FPS-37050007	10-3-4-1	LL649	DUCT DETECTOR
FPS-37060019	10-4-4-1	LL650	DUCT DETECTOR
FPS-37060017	10-4-4-1	LL650	DUCT DETECTOR
FPS-37060018	10-4-4-1	LL650	DUCT DETECTOR

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DUCT TEST STATION			
FPS-43030135	4-7-4-1	4009	DUCT TEST STATION
FPS-9040132	2-16-4-1	PH-2	DUCT TEST STATION
FPS-9040133	2-16-4-1	PH-2	DUCT TEST STATION
FPS-37100148	10-7-4-1	PH-LL	DUCT TEST STATION
FPS-9020150	10-16-4-1	PH-LL	DUCT TEST STATION
FPS-9020151	10-16-4-1	PH-LL	DUCT TEST STATION
FPS-39030132	1-2-4-3	1ST FLR	DUCT TEST STATION
FPS-39100133	1-6-4-1	1ST FLR	DUCT TEST STATION
FPS-39080177	Monitor	1ST FLR	DUCT TEST STATION
FPS-39080175	Monitor	1ST FLR	DUCT TEST STATION
FPS-39080176	Monitor	1ST FLR	DUCT TEST STATION
FPS-40050149	Monitor	2ND FLR	DUCT TEST STATION
FPS-40050150	Monitor	2ND FLR	DUCT TEST STATION
FPS-40080133	2-6-4-1	2ND FLR	DUCT TEST STATION
FPS-40080134	2-6-4-1	2ND FLR	DUCT TEST STATION
FPS-40100149	Monitor	2ND FLR	DUCT TEST STATION
FPS-40100150	Monitor	2ND FLR	DUCT TEST STATION
FPS-40100151	Monitor	2ND FLR	DUCT TEST STATION
FPS-40100152	Monitor	2ND FLR	DUCT TEST STATION
FPS-41050178	3-5-4-1	3RD FLR	DUCT TEST STATION
FPS-41050181	3-4-4-1	3RD FLR	DUCT TEST STATION
FPS-42020138	3-6-4-1	3RD FLR	DUCT TEST STATION
FPS-42030139	Monitor	3RD FLR	DUCT TEST STATION
FPS-42030140	Monitor	3RD FLR	DUCT TEST STATION
FPS-42030141	Monitor	3RD FLR	DUCT TEST STATION
FPS-43040140	4-8-4-2	4TH FLR	DUCT TEST STATION
FPS-43020128	Monitor	4TH FLR	DUCT TEST STATION
FPS-43030129	4-7-4-1	4TH FLR	DUCT TEST STATION
FPS-48070129	4-7-4-1	4TH FLR	DUCT TEST STATION
FPS-43020153	Monitor	4TH FLR	DUCT TEST STATION
FPS-43020154	Monitor	4TH FLR	DUCT TEST STATION
FPS-42100140	4-5-4-1	4TH FLR	DUCT TEST STATION
FPS-42100141	4-5-4-1	4TH FLR	DUCT TEST STATION
FPS-42100143	4-7-4-1	4TH FLR	DUCT TEST STATION
FPS-42100158	4-3-4-1	4TH FLR	DUCT TEST STATION
FPS-42060131	4-1-4-1	4TH FLR	DUCT TEST STATION
FPS-42060132	4-1-4-1	4TH FLR	DUCT TEST STATION
FPS-42060133	4-1-4-1	4TH FLR	DUCT TEST STATION
FPS-48080126	5-5-4-2	5TH FLR	DUCT TEST STATION
FPS-45080134	6-4-4-1	6TH FLR	DUCT TEST STATION
FPS-45080135	6-6-4-1	6TH FLR	DUCT TEST STATION
FPS-45110131	7-6-4-1	7TH FLR	DUCT TEST STATION
FPS-45090142	7-3-4-1	7TH FLR	DUCT TEST STATION
FPS-46040128	8-6-4-1	8TH FLR	DUCT TEST STATION
FPS-46040130	8-4-4-1	8TH FLR	DUCT TEST STATION
FPS-46020142	8-3-4-1	8TH FLR	DUCT TEST STATION
FPS-39100142	1-8-4-1	1170	DUCT TEST STATION
FPS-39100149	1-8-4-1	1170	DUCT TEST STATION
FPS-39100151	1-8-4-1	1150	DUCT TEST STATION
FPS-39100135	1-8-4-1	1150	DUCT TEST STATION
FPS-39100136	1-8-4-1	1150	DUCT TEST STATION

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DUCT TEST STATION			
FPS-39100138	1-8-4-1	1150	DUCT TEST STATION
FPS-39100139	1-8-4-1	1150	DUCT TEST STATION
FPS-39100140	1-8-4-1	1150	DUCT TEST STATION
FPS-39100129	1-6-4-1	1311	DUCT TEST STATION
FPS-39100156	1-5-4-1	1310	DUCT TEST STATION
FPS-39080130	1-6-4-1	1311	DUCT TEST STATION
FPS-39070126	1-3-4-1	1392	DUCT TEST STATION
FPS-39070127	1-3-4-1	1392	DUCT TEST STATION
FPS-39080163	1-6-4-1	1452	DUCT TEST STATION
FPS-39080174	1-6-4-1	1457	DUCT TEST STATION
FPS-39080150	1-6-4-1	1467	DUCT TEST STATION
FPS-39080166	1-6-4-1	1501	DUCT TEST STATION
FPS-39050148	1-4-4-1	1605	DUCT TEST STATION
FPS-39050141	1-4-4-1	1626	DUCT TEST STATION
FPS-38050157	1-2-4-3	1729	DUCT TEST STATION
FPS-38050140	1-1-4-2	1722	DUCT TEST STATION
FPS-38050138	1-1-4-2	1707	DUCT TEST STATION
FPS-39030129	1-2-4-3	1737	DUCT TEST STATION
FPS-47030136	1-1-4-2	1772	DUCT TEST STATION
FPS-47030138	1-1-4-2	1772	DUCT TEST STATION
FPS-47030139	1-1-4-2	1772	DUCT TEST STATION
FPS-47030126	1-2-4-2	1780	DUCT TEST STATION
FPS-47030127	1-2-4-2	1780	DUCT TEST STATION
FPS-47030128	1-2-4-2	1780	DUCT TEST STATION
FPS-47020135	1-3-4-1	1821	DUCT TEST STATION
FPS-47020136	1-3-4-1	1821	DUCT TEST STATION
FPS-47040127	1-2-4-4	1786	DUCT TEST STATION
FPS-47020140	1-4-4-1	1821	DUCT TEST STATION
FPS-47020141	1-4-4-1	1821	DUCT TEST STATION
FPS-38050146	1-1-4-2	1839	DUCT TEST STATION
FPS-38050150	1-1-4-2	1839	DUCT TEST STATION
FPS-47030130	1-2-4-2	1880	DUCT TEST STATION
FPS-39030132	1-2-4-3	1ST FLR	DUCT TEST STATION
FPS-47040126	1-2-4-4	1957	DUCT TEST STATION
FPS-39100133	1-6-4-1	1ST FLR	DUCT TEST STATION
FPS-39080175	Monitor	1ST FLR	DUCT TEST STATION
FPS-39080176	Monitor	1ST FLR	DUCT TEST STATION
FPS-39080177	Monitor	1ST FLR	DUCT TEST STATION
FPS-40110130	2-8-4-2	2176	DUCT TEST STATION
FPS-40110131	2-8-4-2	2176	DUCT TEST STATION
FPS-40110136	2-7-4-1	2135	DUCT TEST STATION
FPS-40110137	2-7-4-1	2137	DUCT TEST STATION
FPS-40110126	2-8-4-2	2197	DUCT TEST STATION
FPS-40110129	2-8-4-2	2196	DUCT TEST STATION
FPS-40070137	2-5-4-1	2354	DUCT TEST STATION
FPS-40070129	2-5-4-1	2371	DUCT TEST STATION
FPS-40100155	2-6-4-3	2423	DUCT TEST STATION
FPS-40100156	2-6-4-3	2426	DUCT TEST STATION
FPS-40090127	2-6-4-2	2443	DUCT TEST STATION
FPS-40100147	2-6-4-3	2454	DUCT TEST STATION
FPS-40100148	2-6-4-3	2513	DUCT TEST STATION

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DUCT TEST STATION			
FPS-40100154	2-6-4-3	2517	DUCT TEST STATION
FPS-40100153	2-6-4-3	2518	DUCT TEST STATION
FPS-40030146	2-4-4-1	2598	DUCT TEST STATION
FPS-40060127	2-3-4-1	2620	DUCT TEST STATION
FPS-40060128	2-3-4-1	2620	DUCT TEST STATION
FPS-40030128	2-1-4-1	2738	DUCT TEST STATION
FPS-40030142	2-1-4-1	2739	DUCT TEST STATION
FPS-40020141	2-1-4-1	2748	DUCT TEST STATION
FPS-40020139	2-1-4-1	2818	DUCT TEST STATION
FPS-40020140	2-1-4-1	2818	DUCT TEST STATION
FPS-40020133	2-2-4-1	2862	DUCT TEST STATION
FPS-40030133	2-1-4-1	2781	DUCT TEST STATION
FPS-40030131	2-1-4-1	2880	DUCT TEST STATION
FPS-40020127	2-2-4-1	2877	DUCT TEST STATION
FPS-40050149	Monitor	2ND FLR	DUCT TEST STATION
FPS-40050150	Monitor	2ND FLR	DUCT TEST STATION
FPS-40080133	2-6-4-1	2ND FLR	DUCT TEST STATION
FPS-40080134	2-6-4-1	2ND FLR	DUCT TEST STATION
FPS-40100149	Monitor	2ND FLR	DUCT TEST STATION
FPS-40100150	Monitor	2ND FLR	DUCT TEST STATION
FPS-40100151	Monitor	2ND FLR	DUCT TEST STATION
FPS-40100152	Monitor	2ND FLR	DUCT TEST STATION
FPS-42040129	3-8-4-1	3080	DUCT TEST STATION
FPS-42050132	3-8-4-1	3229	DUCT TEST STATION
FPS-42040130	3-8-4-1	3229	DUCT TEST STATION
FPS-42050128	3-8-4-1	3080	DUCT TEST STATION
FPS-42020132	3-6-4-1	3416	DUCT TEST STATION
FPS-42020131	3-6-4-1	3418	DUCT TEST STATION
FPS-42020129	3-6-4-1	3418	DUCT TEST STATION
FPS-42030129	3-6-4-2	3419	DUCT TEST STATION
FPS-42030130	3-6-4-2	3419	DUCT TEST STATION
FPS-42030131	3-6-4-2	3419	DUCT TEST STATION
FPS-42020148	3-6-4-1	3460	DUCT TEST STATION
FPS-42030138	3-6-4-2	3464	DUCT TEST STATION
FPS-42020135	3-6-4-1	3475	DUCT TEST STATION
FPS-41050161	3-4-4-1	3510	DUCT TEST STATION
FPS-41050167	3-4-4-1	3510	DUCT TEST STATION
FPS-41050128	3-4-4-1	3510	DUCT TEST STATION
FPS-41050158	3-4-4-1	3600	DUCT TEST STATION
FPS-41050019	3-3-4-1	3625	DUCT TEST STATION
FPS-41050145	3-3-4-1	3625	DUCT TEST STATION
FPS-41050149	3-3-4-1	3625	DUCT TEST STATION
FPS-41050130	3-4-4-1	3683	DUCT TEST STATION
FPS-41050131	3-4-4-1	3683	DUCT TEST STATION
FPS-41050132	3-4-4-1	3683	DUCT TEST STATION
FPS-41050135	3-4-4-1	3680	DUCT TEST STATION
FPS-41050136	3-4-4-1	3680	DUCT TEST STATION
FPS-48020132	3-1-4-1	3770	DUCT TEST STATION
FPS-48020134	3-1-4-1	3770	DUCT TEST STATION
FPS-41020146	3-1-4-1	3761	DUCT TEST STATION
FPS-48020141	3-1-4-1	3760	DUCT TEST STATION

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DUCT TEST STATION			
FPS-41020130	3-1-4-1	3722	DUCT TEST STATION
FPS-41050178	3-5-4-1	3RD FLR	DUCT TEST STATION
FPS-41050181	3-4-4-1	3RD FLR	DUCT TEST STATION
FPS-42020138	3-6-4-1	3RD FLR	DUCT TEST STATION
FPS-42030139	Monitor	3RD FLR	DUCT TEST STATION
FPS-42030140	Monitor	3RD FLR	DUCT TEST STATION
FPS-42030141	Monitor	3RD FLR	DUCT TEST STATION
FPS-42060131	4-1-4-1	4TH FLR	DUCT TEST STATION
FPS-42060132	4-1-4-1	4TH FLR	DUCT TEST STATION
FPS-42060133	4-1-4-1	4TH FLR	DUCT TEST STATION
FPS-43020153	Monitor	4TH FLR	DUCT TEST STATION
FPS-43020154	Monitor	4TH FLR	DUCT TEST STATION
FPS-42100140	4-5-4-1	4TH FLR	DUCT TEST STATION
FPS-42100141	4-5-4-1	4TH FLR	DUCT TEST STATION
FPS-42100143	4-7-4-1	4TH FLR	DUCT TEST STATION
FPS-42100158	4-3-4-1	4TH FLR	DUCT TEST STATION
FPS-43020128	Monitor	4TH FLR	DUCT TEST STATION
FPS-43030129	4-7-4-1	4TH FLR	DUCT TEST STATION
FPS-48070129	4-7-4-1	4TH FLR	DUCT TEST STATION
FPS-43040140	4-8-4-2	4TH FLR	DUCT TEST STATION
FPS-43030135	4-7-4-1	4009	DUCT TEST STATION
FPS-43030136	4-7-4-1	4010	DUCT TEST STATION
FPS-48070128	4-7-4-1	4055	DUCT TEST STATION
FPS-43040130	4-8-4-2	4122	DUCT TEST STATION
FPS-48070130	4-7-4-1	4109	DUCT TEST STATION
FPS-43040148	4-8-4-2	4211	DUCT TEST STATION
FPS-43040141	4-8-4-2	4222	DUCT TEST STATION
FPS-43040147	4-8-4-2	4227	DUCT TEST STATION
FPS-42100018	4-3-4-1	4392	DUCT TEST STATION
FPS-42100148	4-3-4-1	4392	DUCT TEST STATION
FPS-42100142	4-5-4-1	4389	DUCT TEST STATION
FPS-42100130	4-3-4-1	4395	DUCT TEST STATION
FPS-42100131	4-3-4-1	4395	DUCT TEST STATION
FPS-43020152	4-6-4-1	4431	DUCT TEST STATION
FPS-43020017	4-6-4-1	4431	DUCT TEST STATION
FPS-42110135	4-6-4-1	4416	DUCT TEST STATION
FPS-42100155	4-5-4-1	4441	DUCT TEST STATION
FPS-42100153	4-5-4-1	4441	DUCT TEST STATION
FPS-42100154	4-5-4-1	4441	DUCT TEST STATION
FPS-43020126	4-6-4-1	4480	DUCT TEST STATION
FPS-43020127	4-6-4-1	4480	DUCT TEST STATION
FPS-42090134	4-4-4-1	4515	DUCT TEST STATION
FPS-42090135	4-4-4-1	4515	DUCT TEST STATION
FPS-42090136	4-4-4-1	4515	DUCT TEST STATION
FPS-42080152	4-4-4-1	4557	DUCT TEST STATION
FPS-42110160	4-3-4-1	4603	DUCT TEST STATION
FPS-42110161	4-3-4-1	4603	DUCT TEST STATION
FPS-42090130	4-4-4-1	4643	DUCT TEST STATION
FPS-42080131	4-4-4-1	4640	DUCT TEST STATION
FPS-42080130	4-4-4-1	4642	DUCT TEST STATION
FPS-48060126	4-1-4-1	4709	DUCT TEST STATION

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DUCT TEST STATION			
FPS-48060128	4-1-4-1	4709	DUCT TEST STATION
FPS-48060132	4-1-4-1	4760	DUCT TEST STATION
FPS-48060133	4-1-4-1	4760	DUCT TEST STATION
FPS-48060134	4-1-4-1	4760	DUCT TEST STATION
FPS-48060135	4-1-4-1	4760	DUCT TEST STATION
FPS-45050133	11-8-4-1	5-4E	DUCT TEST STATION
FPS-45050134	11-8-4-1	5-4E	DUCT TEST STATION
FPS-45030134	11-3-4-1	5-4W	DUCT TEST STATION
FPS-45030135	11-3-4-1	5-4W	DUCT TEST STATION
FPS-45030136	11-3-4-1	5-4W	DUCT TEST STATION
FPS-45050128	11-8-4-1	5-4E	DUCT TEST STATION
FPS-45050129	11-8-4-1	5-4E	DUCT TEST STATION
FPS-45050130	11-8-4-1	5-4E	DUCT TEST STATION
FPS-45050131	11-8-4-1	5-4E	DUCT TEST STATION
FPS-45050132	11-8-4-1	5-4E	DUCT TEST STATION
FPS-45040133	11-5-4-1	5-4E	DUCT TEST STATION
FPS-45040134	11-5-4-1	5-4E	DUCT TEST STATION
FPS-45040128	11-5-4-1	5-4E	DUCT TEST STATION
FPS-45040129	11-5-4-1	5-4E	DUCT TEST STATION
FPS-45040130	11-5-4-1	5-4E	DUCT TEST STATION
FPS-45040131	11-5-4-1	5-4E	DUCT TEST STATION
FPS-45040132	11-5-4-1	5-4E	DUCT TEST STATION
FPS-45020130	11-1-4-1	5-4W	DUCT TEST STATION
FPS-45020136	11-1-4-1	5-4W	DUCT TEST STATION
FPS-45020133	11-1-4-1	5-4W	DUCT TEST STATION
FPS-45020134	11-1-4-1	5-4W	DUCT TEST STATION
FPS-45020135	11-1-4-1	5-4W	DUCT TEST STATION
FPS-45030128	11-3-4-1	5-4W	DUCT TEST STATION
FPS-45030129	11-3-4-1	5-4W	DUCT TEST STATION
FPS-45030130	11-3-4-1	5-4W	DUCT TEST STATION
FPS-45030131	11-3-4-1	5-4W	DUCT TEST STATION
FPS-45030132	11-3-4-1	5-4W	DUCT TEST STATION
FPS-45030133	11-3-4-1	5-4W	DUCT TEST STATION
FPS-45020129	11-1-4-1	5-4W	DUCT TEST STATION
FPS-48080126	5-5-4-2	5TH FLR	DUCT TEST STATION
FPS-43110132	5-6-4-1	5455	DUCT TEST STATION
FPS-48090130	5-5-4-2	5350	DUCT TEST STATION
FPS-48080129	5-5-4-2	5360	DUCT TEST STATION
FPS-48090132	5-5-4-2	5325	DUCT TEST STATION
FPS-48090131	5-5-4-2	5321	DUCT TEST STATION
FPS-43110130	5-6-4-1	5418	DUCT TEST STATION
FPS-43110131	5-6-4-1	5418	DUCT TEST STATION
FPS-43110128	5-6-4-1	5420	DUCT TEST STATION
FPS-43110129	5-6-4-1	5420	DUCT TEST STATION
FPS-45080126	6-6-4-1	6361	DUCT TEST STATION
FPS-45080127	6-6-4-1	6361	DUCT TEST STATION
FPS-45080128	6-6-4-1	6361	DUCT TEST STATION
FPS-45080129	6-6-4-1	6361	DUCT TEST STATION
FPS-45070133	6-5-4-1	6311	DUCT TEST STATION
FPS-45060128	6-5-4-1	6301	DUCT TEST STATION
FPS-45080134	6-4-4-1	6TH FLR	DUCT TEST STATION

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DUCT TEST STATION			
FPS-45080135	6-6-4-1	6TH FLR	DUCT TEST STATION
FPS-45060147	6-3-4-1	6502	DUCT TEST STATION
FPS-45060143	6-3-4-1	6502	DUCT TEST STATION
FPS-45060142	6-3-4-1	6501	DUCT TEST STATION
FPS-45060145	6-3-4-1	6501	DUCT TEST STATION
FPS-45060146	6-3-4-1	6501	DUCT TEST STATION
FPS-45060132	6-3-4-1	6562	DUCT TEST STATION
FPS-45090146	7-5-4-1	7301	DUCT TEST STATION
FPS-45110133	7-6-4-1	7351	DUCT TEST STATION
FPS-45110134	7-6-4-1	7351	DUCT TEST STATION
FPS-45110129	7-6-4-1	7351	DUCT TEST STATION
FPS-45110130	7-6-4-1	7361	DUCT TEST STATION
FPS-45110132	7-6-4-1	7361	DUCT TEST STATION
FPS-45110005	7-6-4-1	7351	DUCT TEST STATION
FPS-45100128	7-5-4-1	7302	DUCT TEST STATION
FPS-45090135	7-3-4-1	7503	DUCT TEST STATION
FPS-45090136	7-3-4-1	7502	DUCT TEST STATION
FPS-45090137	7-3-4-1	7502	DUCT TEST STATION
FPS-45090138	7-3-4-1	7548	DUCT TEST STATION
FPS-45090004	7-3-4-1	7548	DUCT TEST STATION
FPS-45110131	7-6-4-1	7TH FLR	DUCT TEST STATION
FPS-45090142	7-3-4-1	7TH FLR	DUCT TEST STATION
FPS-46040126	8-6-4-1	8351	DUCT TEST STATION
FPS-46040127	8-6-4-1	8361	DUCT TEST STATION
FPS-46030128	8-5-4-1	8302	DUCT TEST STATION
FPS-46020148	8-5-4-1	8301	DUCT TEST STATION
FPS-46040129	8-4-4-1	8400	DUCT TEST STATION
FPS-46020135	8-3-4-1	8501	DUCT TEST STATION
FPS-46020137	8-3-4-1	8502	DUCT TEST STATION
FPS-46020138	8-3-4-1	8502	DUCT TEST STATION
FPS-46020134	8-3-4-1	8502	DUCT TEST STATION
FPS-46020142	8-3-4-1	8TH FLR	DUCT TEST STATION
FPS-46040128	8-6-4-1	8TH FLR	DUCT TEST STATION
FPS-46040130	8-4-4-1	8TH FLR	DUCT TEST STATION
FPS-46060140	9-5-4-1	9350	DUCT TEST STATION
FPS-46060165	9-5-4-1	9400	DUCT TEST STATION
FPS-46060166	9-5-4-1	9400	DUCT TEST STATION
FPS-46060167	9-5-4-1	9400	DUCT TEST STATION
FPS-46060156	9-5-4-1	9400	DUCT TEST STATION
FPS-46060153	9-5-4-1	9414	DUCT TEST STATION
FPS-46060147	9-3-4-1	9414	DUCT TEST STATION
FPS-46060148	9-3-4-1	9414	DUCT TEST STATION
FPS-46060130	9-3-4-1	9512	DUCT TEST STATION
FPS-46060131	9-3-4-1	9512	DUCT TEST STATION
FPS-46110129	10-7-4-1	LL FLR	DUCT TEST STATION
FPS-46110135	10-8-4-1	LL FLR	DUCT TEST STATION
FPS-46070134	10-13-4-1	LL FLR	DUCT TEST STATION
FPS-46090129	10-4-4-1	LL FLR	DUCT TEST STATION
FPS-37030127	10-1-4-2	LL FLR	DUCT TEST STATION
FPS-38020141	10-8-4-1	LL FLR	DUCT TEST STATION
FPS-37090131	10-6-4-2	LL FLR	DUCT TEST STATION

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DUCT TEST STATION			
FPS-37060144	10-4-4-1	LL FLR	DUCT TEST STATION
FPS-37060145	10-4-4-1	LL FLR	DUCT TEST STATION
FPS-37070142	10-3-4-2	LL FLR	DUCT TEST STATION
FPS-37060143	10-4-4-1	LL FLR	DUCT TEST STATION
FPS-37100127	10-7-4-1	LL101	DUCT TEST STATION
FPS-37100130	10-7-4-1	LL101	DUCT TEST STATION
FPS-38020129	10-8-4-1	LL115	DUCT TEST STATION
FPS-37100126	10-7-4-1	LL120	DUCT TEST STATION
FPS-46120126	10-12-4-1	LL135	DUCT TEST STATION
FPS-46110127	10-7-4-1	LL175	DUCT TEST STATION
FPS-37090139	10-7-4-1	LL182	DUCT TEST STATION
FPS-37090140	10-7-4-1	LL182	DUCT TEST STATION
FPS-37100149	10-7-4-1	LL187	DUCT TEST STATION
FPS-37100150	10-7-4-1	LL187	DUCT TEST STATION
FPS-37100151	10-7-4-1	LL187	DUCT TEST STATION
FPS-37100152	10-7-4-1	LL187	DUCT TEST STATION
FPS-38020144	10-8-4-1	LL202	DUCT TEST STATION
FPS-37110129	10-8-4-2	LL245	DUCT TEST STATION
FPS-38030130	10-8-4-2	LL250	DUCT TEST STATION
FPS-38030131	10-8-4-2	LL250	DUCT TEST STATION
FPS-37110142	10-6-4-2	LL360	DUCT TEST STATION
FPS-37020138	10-1-4-1	LL902	DUCT TEST STATION
FPS-37030130	10-1-4-2	LL920	DUCT TEST STATION
FPS-37030131	10-1-4-2	LL920	DUCT TEST STATION
FPS-37030132	10-1-4-2	LL920	DUCT TEST STATION
FPS-46080126	10-2-4-2	LL980	DUCT TEST STATION
FPS-46080127	10-2-4-2	LL980	DUCT TEST STATION
FPS-37020131	10-1-4-1	LL972	DUCT TEST STATION
FPS-37020132	10-1-4-1	LL974	DUCT TEST STATION
FPS-37020130	10-1-4-1	LL974	DUCT TEST STATION
FPS-37020133	10-1-4-1	LL976	DUCT TEST STATION
FPS-37030141	10-1-4-2	LL967	DUCT TEST STATION
FPS-37020139	10-1-4-1	LL985	DUCT TEST STATION
FPS-37020140	10-1-4-1	LL985	DUCT TEST STATION
FPS-37060156	10-4-4-1	LL650	DUCT TEST STATION
FPS-37060157	10-4-4-1	LL650	DUCT TEST STATION
FPS-37050139	10-3-4-1	LL521	DUCT TEST STATION
FPS-37050140	10-3-4-1	LL521	DUCT TEST STATION
FPS-37050141	10-3-4-1	LL527	DUCT TEST STATION
FPS-37050133	10-3-4-1	LL500	DUCT TEST STATION
FPS-37050134	10-3-4-1	LL500	DUCT TEST STATION
FPS-37050013	10-3-4-1	LL529	DUCT TEST STATION
FPS-37050142	10-3-4-1	LL529	DUCT TEST STATION
FPS-37070128	10-5-4-1	LL603	DUCT TEST STATION
FPS-46090133	10-4-4-1	LL725	DUCT TEST STATION
FPS-46090134	10-4-4-1	LL725	DUCT TEST STATION
FPS-37030126	10-3-4-2	LL712	DUCT TEST STATION
FPS-37060155	10-4-4-1	LL650	DUCT TEST STATION
FPS-37040133	10-2-4-1	LL800	DUCT TEST STATION
FPS-37040135	10-4-4-1	LL765	DUCT TEST STATION
FPS-37040127	10-2-4-1	LL878	DUCT TEST STATION

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Duplicate-Remove from			
FPS-4097	789088	4514	Duplicate-Remove from service; See EQNUM=4481
ELEV. TRANSFER SWITCH			
FPS-46060154	Monitor	9TH FLR	ELEV. TRANSFER SWITCH
FPS-46060154	Monitor	9TH FLR	ELEV. TRANSFER SWITCH
ELEVATOR ALT FLOOR			
FPS-9020157	Relay	PH-LL	ELEVATOR ALT FLOOR RELAY
ELEVATOR ALTERNATE			
FPS-43090158	Relay	STROGER	ELEVATOR ALTERNATE FLOOR RELAY
FPS-43110134	Relay	STROGER	ELEVATOR ALTERNATE FLOOR RELAY
FPS-43090158	Relay	STROGER	ELEVATOR ALTERNATE FLOOR RELAY
FPS-43110134	Relay	STROGER	ELEVATOR ALTERNATE FLOOR RELAY
ELEVATOR CODE BLUE			
FPS-43110155	Relay	STROGER	ELEVATOR CODE BLUE RELAY
FPS-43110156	Relay	STROGER	ELEVATOR CODE BLUE RELAY
FPS-46060171	Relay	STROGER	ELEVATOR CODE BLUE RELAY
FPS-46060172	Relay	STROGER	ELEVATOR CODE BLUE RELAY
FPS-46060173	Relay	STROGER	ELEVATOR CODE BLUE RELAY
FPS-43090159	Relay	STROGER	ELEVATOR CODE BLUE RELAY
FPS-46060157	Relay	STROGER	ELEVATOR CODE BLUE RELAY
FPS-46060174	Relay	STROGER	ELEVATOR CODE BLUE RELAY
FPS-46060175	Relay	STROGER	ELEVATOR CODE BLUE RELAY
FPS-46060176	Relay	STROGER	ELEVATOR CODE BLUE RELAY
FPS-46060177	Relay	STROGER	ELEVATOR CODE BLUE RELAY
FPS-46060178	Relay	STROGER	ELEVATOR CODE BLUE RELAY
FPS-46060174	Relay	STROGER	ELEVATOR CODE BLUE RELAY
FPS-46060175	Relay	STROGER	ELEVATOR CODE BLUE RELAY
FPS-46060176	Relay	STROGER	ELEVATOR CODE BLUE RELAY
FPS-46060177	Relay	STROGER	ELEVATOR CODE BLUE RELAY
FPS-46060178	Relay	STROGER	ELEVATOR CODE BLUE RELAY
FPS-46060157	Relay	STROGER	ELEVATOR CODE BLUE RELAY
FPS-43110155	Relay	STROGER	ELEVATOR CODE BLUE RELAY
FPS-43110156	Relay	STROGER	ELEVATOR CODE BLUE RELAY
FPS-43090159	Relay	STROGER	ELEVATOR CODE BLUE RELAY
FPS-46060171	Relay	STROGER	ELEVATOR CODE BLUE RELAY
FPS-46060172	Relay	STROGER	ELEVATOR CODE BLUE RELAY
FPS-46060173	Relay	STROGER	ELEVATOR CODE BLUE RELAY
ELEVATOR FLOOR RELAY			
FPS-43110136	Relay	STROGER	ELEVATOR FLOOR RELAY
FPS-43110136	Relay	STROGER	ELEVATOR FLOOR RELAY
ELEVATOR RECALL			
FPS-43110135	Relay	STROGER	ELEVATOR RECALL FLOOR RELAY
FPS-43090157	Relay	STROGER	ELEVATOR RECALL FLOOR RELAY
FPS-43110139	Relay	STROGER	ELEVATOR RECALL FLOOR RELAY
FPS-43110135	Relay	STROGER	ELEVATOR RECALL FLOOR RELAY
FPS-43110139	Relay	STROGER	ELEVATOR RECALL FLOOR RELAY
FPS-43090157	Relay	STROGER	ELEVATOR RECALL FLOOR RELAY

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ELEVATOR RECALL			
FPS-43110133	Relay	STROGER	ELEVATOR RECALL RELAY
FPS-9020156	Relay	PH-LL	ELEVATOR RECALL RELAY
FPS-43110133	Relay	STROGER	ELEVATOR RECALL RELAY
ELEVATOR RELAY			
FPS-43110140	Relay	STROGER	ELEVATOR RELAY
FPS-43110144	Relay	STROGER	ELEVATOR RELAY
FPS-43110145	Relay	STROGER	ELEVATOR RELAY
FPS-43110137	Relay	STROGER	ELEVATOR RELAY
FPS-43110138	Relay	STROGER	ELEVATOR RELAY
FPS-43110151	Relay	STROGER	ELEVATOR RELAY
FPS-43110152	Relay	STROGER	ELEVATOR RELAY
FPS-46060158	Relay	STROGER	ELEVATOR RELAY
FPS-43110153	Relay	STROGER	ELEVATOR RELAY
FPS-43110154	Relay	STROGER	ELEVATOR RELAY
FPS-43090160	Relay	STROGER	ELEVATOR RELAY
FPS-37100145	Relay	PH-LL	ELEVATOR RELAY
FPS-37100146	Relay	PH-LL	ELEVATOR RELAY
FPS-37100147	Relay	PH-LL	ELEVATOR RELAY
FPS-43110144	Relay	STROGER	ELEVATOR RELAY
FPS-43110145	Relay	STROGER	ELEVATOR RELAY
FPS-43110151	Relay	STROGER	ELEVATOR RELAY
FPS-43110152	Relay	STROGER	ELEVATOR RELAY
FPS-46060158	Relay	STROGER	ELEVATOR RELAY
FPS-43110153	Relay	STROGER	ELEVATOR RELAY
FPS-43110154	Relay	STROGER	ELEVATOR RELAY
FPS-43090160	Relay	STROGER	ELEVATOR RELAY
FPS-43110140	Relay	STROGER	ELEVATOR RELAY
FPS-43110137	Relay	STROGER	ELEVATOR RELAY
FPS-43110138	Relay	STROGER	ELEVATOR RELAY
ELEVATOR RESET RELAY			
FPS-43090161	Relay	STROGER	ELEVATOR RESET RELAY
FPS-9020158	Relay	PH-LL	ELEVATOR RESET RELAY
FPS-43090161	Relay	STROGER	ELEVATOR RESET RELAY
ELEVATOR SHUNT TRIP			
FPS-37100143	Relay	PH-LL	ELEVATOR SHUNT TRIP RELAY
FPS-9020133	Relay	PH-LL	ELEVATOR SHUNT TRIP RELAY
ELEVATOR STATUS			
FPS-43090162	Relay	STROGER	ELEVATOR STATUS
FPS-43090163	Relay	STROGER	ELEVATOR STATUS
FPS-43090164	Relay	STROGER	ELEVATOR STATUS
FPS-43090165	Relay	STROGER	ELEVATOR STATUS
FPS-43090166	Relay	STROGER	ELEVATOR STATUS
FPS-43090162	Relay	STROGER	ELEVATOR STATUS
FPS-43090163	Relay	STROGER	ELEVATOR STATUS
FPS-43090164	Relay	STROGER	ELEVATOR STATUS
FPS-43090165	Relay	STROGER	ELEVATOR STATUS
FPS-43090166	Relay	STROGER	ELEVATOR STATUS

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ELEVATOR RESET RELAY			
FPS-46060159	Relay	STROGER	ELEVATOR RESET RELAY
FPS-46060159	Relay	STROGER	ELEVATOR RESET RELAY
EXH. DUCT TEST SWITCH			
FPS-46060170	9-3-4-1	9TH FLR	EXH. DUCT TEST SWITCH
FPS-46060170	9-3-4-1	9TH FLR	EXH. DUCT TEST SWITCH

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FAN CONTRL			
FPS-48050186	Relay	STROGER	FAN CONTRL
FPS-48050187	Relay	STROGER	FAN CONTRL
FPS-48050188	Relay	STROGER	FAN CONTRL
FPS-48050149	Relay	STROGER	FAN CONTRL
FPS-48050180	Relay	STROGER	FAN CONTRL
FPS-48050181	Relay	STROGER	FAN CONTRL
FPS-48050182	Relay	STROGER	FAN CONTRL
FPS-48050183	Relay	STROGER	FAN CONTRL
FPS-48050184	Relay	STROGER	FAN CONTRL
FPS-48050185	Relay	STROGER	FAN CONTRL
FPS-48050174	Relay	STROGER	FAN CONTRL
FPS-48050175	Relay	STROGER	FAN CONTRL
FPS-48050176	Relay	STROGER	FAN CONTRL
FPS-48050177	Relay	STROGER	FAN CONTRL
FPS-48050178	Relay	STROGER	FAN CONTRL
FPS-48050179	Relay	STROGER	FAN CONTRL
FPS-48050168	Relay	STROGER	FAN CONTRL
FPS-48050169	Relay	STROGER	FAN CONTRL
FPS-48050170	Relay	STROGER	FAN CONTRL
FPS-48050171	Relay	STROGER	FAN CONTRL
FPS-48050172	Relay	STROGER	FAN CONTRL
FPS-48050173	Relay	STROGER	FAN CONTRL
FPS-48050162	Relay	STROGER	FAN CONTRL
FPS-48050163	Relay	STROGER	FAN CONTRL
FPS-48050164	Relay	STROGER	FAN CONTRL
FPS-48050165	Relay	STROGER	FAN CONTRL
FPS-48050166	Relay	STROGER	FAN CONTRL
FPS-48050167	Relay	STROGER	FAN CONTRL
FPS-48050156	Relay	STROGER	FAN CONTRL
FPS-48050157	Relay	STROGER	FAN CONTRL
FPS-48050158	Relay	STROGER	FAN CONTRL
FPS-48050159	Relay	STROGER	FAN CONTRL
FPS-48050160	Relay	STROGER	FAN CONTRL
FPS-48050161	Relay	STROGER	FAN CONTRL
FPS-48050150	Relay	STROGER	FAN CONTRL
FPS-48050151	Relay	STROGER	FAN CONTRL
FPS-48050152	Relay	STROGER	FAN CONTRL
FPS-48050153	Relay	STROGER	FAN CONTRL
FPS-48050154	Relay	STROGER	FAN CONTRL
FPS-48050155	Relay	STROGER	FAN CONTRL
FPS-9040130	Relay	PH-2	FAN CONTRL
FPS-9040131	Relay	PH-2	FAN CONTRL
FPS-48050149	Relay	STROGER	FAN CONTRL
FPS-48050186	Relay	STROGER	FAN CONTRL
FPS-48050187	Relay	STROGER	FAN CONTRL
FPS-48050188	Relay	STROGER	FAN CONTRL
FPS-48050180	Relay	STROGER	FAN CONTRL
FPS-48050181	Relay	STROGER	FAN CONTRL
FPS-48050182	Relay	STROGER	FAN CONTRL
FPS-48050183	Relay	STROGER	FAN CONTRL
FPS-48050184	Relay	STROGER	FAN CONTRL

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FAN CONTRL			
FPS-48050185	Relay	STROGER	FAN CONTRL
FPS-48050174	Relay	STROGER	FAN CONTRL
FPS-48050175	Relay	STROGER	FAN CONTRL
FPS-48050176	Relay	STROGER	FAN CONTRL
FPS-48050177	Relay	STROGER	FAN CONTRL
FPS-48050178	Relay	STROGER	FAN CONTRL
FPS-48050179	Relay	STROGER	FAN CONTRL
FPS-48050168	Relay	STROGER	FAN CONTRL
FPS-48050169	Relay	STROGER	FAN CONTRL
FPS-48050170	Relay	STROGER	FAN CONTRL
FPS-48050171	Relay	STROGER	FAN CONTRL
FPS-48050172	Relay	STROGER	FAN CONTRL
FPS-48050173	Relay	STROGER	FAN CONTRL
FPS-48050162	Relay	STROGER	FAN CONTRL
FPS-48050163	Relay	STROGER	FAN CONTRL
FPS-48050164	Relay	STROGER	FAN CONTRL
FPS-48050165	Relay	STROGER	FAN CONTRL
FPS-48050166	Relay	STROGER	FAN CONTRL
FPS-48050167	Relay	STROGER	FAN CONTRL
FPS-48050156	Relay	STROGER	FAN CONTRL
FPS-48050157	Relay	STROGER	FAN CONTRL
FPS-48050158	Relay	STROGER	FAN CONTRL
FPS-48050159	Relay	STROGER	FAN CONTRL
FPS-48050160	Relay	STROGER	FAN CONTRL
FPS-48050161	Relay	STROGER	FAN CONTRL
FPS-48050150	Relay	STROGER	FAN CONTRL
FPS-48050151	Relay	STROGER	FAN CONTRL
FPS-48050152	Relay	STROGER	FAN CONTRL
FPS-48050153	Relay	STROGER	FAN CONTRL
FPS-48050154	Relay	STROGER	FAN CONTRL
FPS-48050155	Relay	STROGER	FAN CONTRL
FPS-46060160	Relay	9350	FAN CONTRL
FPS-46060136	Relay	9350	FAN CONTRL
FAN MONIT			
FPS-9040138	Relay	PH-2	FAN MONIT
FPS-9040139	Relay	PH-2	FAN MONIT
FPS-9020132	Monitor	PH-LL	FAN MONIT

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FAN MONT			
FPS-44040197	Monitor	STROGER	FAN MONT
FPS-44040198	Monitor	STROGER	FAN MONT
FPS-44040199	Monitor	STROGER	FAN MONT
FPS-44040200	Monitor	STROGER	FAN MONT
FPS-44040166	Monitor	STROGER	FAN MONT
FPS-43070181	Monitor	STROGER	FAN MONT
FPS-43070182	Monitor	STROGER	FAN MONT
FPS-43070183	Monitor	STROGER	FAN MONT
FPS-43070184	Monitor	STROGER	FAN MONT
FPS-43070197	Monitor	STROGER	FAN MONT
FPS-43070198	Monitor	STROGER	FAN MONT
FPS-43070199	Monitor	STROGER	FAN MONT
FPS-43070200	Monitor	STROGER	FAN MONT
FPS-43070201	Monitor	STROGER	FAN MONT
FPS-43070191	Monitor	STROGER	FAN MONT
FPS-43070192	Monitor	STROGER	FAN MONT
FPS-43070193	Monitor	STROGER	FAN MONT
FPS-43070194	Monitor	STROGER	FAN MONT
FPS-43070195	Monitor	STROGER	FAN MONT
FPS-43070196	Monitor	STROGER	FAN MONT
FPS-43070185	Monitor	STROGER	FAN MONT
FPS-43070186	Monitor	STROGER	FAN MONT
FPS-43070187	Monitor	STROGER	FAN MONT
FPS-43070188	Monitor	STROGER	FAN MONT
FPS-43070189	Monitor	STROGER	FAN MONT
FPS-43070190	Monitor	STROGER	FAN MONT
FPS-44040191	Monitor	STROGER	FAN MONT
FPS-44040192	Monitor	STROGER	FAN MONT
FPS-44040193	Monitor	STROGER	FAN MONT
FPS-44040194	Monitor	STROGER	FAN MONT
FPS-44040195	Monitor	STROGER	FAN MONT
FPS-44040196	Monitor	STROGER	FAN MONT
FPS-44040185	Monitor	STROGER	FAN MONT
FPS-44040186	Monitor	STROGER	FAN MONT
FPS-44040187	Monitor	STROGER	FAN MONT
FPS-44040188	Monitor	STROGER	FAN MONT
FPS-44040189	Monitor	STROGER	FAN MONT
FPS-44040190	Monitor	STROGER	FAN MONT
FPS-44040179	Monitor	STROGER	FAN MONT
FPS-44040180	Monitor	STROGER	FAN MONT
FPS-44040181	Monitor	STROGER	FAN MONT
FPS-44040182	Monitor	STROGER	FAN MONT
FPS-44040183	Monitor	STROGER	FAN MONT
FPS-44040184	Monitor	STROGER	FAN MONT
FPS-44040173	Monitor	STROGER	FAN MONT
FPS-44040174	Monitor	STROGER	FAN MONT
FPS-44040175	Monitor	STROGER	FAN MONT
FPS-44040176	Monitor	STROGER	FAN MONT
FPS-44040177	Monitor	STROGER	FAN MONT
FPS-44040178	Monitor	STROGER	FAN MONT
FPS-44040167	Monitor	STROGER	FAN MONT

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FAN MONT			
FPS-44040168	Monitor	STROGER	FAN MONT
FPS-44040169	Monitor	STROGER	FAN MONT
FPS-44040170	Monitor	STROGER	FAN MONT
FPS-44040171	Monitor	STROGER	FAN MONT
FPS-44040172	Monitor	STROGER	FAN MONT
FPS-43070157	Monitor	PH-LL	FAN MONT
FPS-43070158	Monitor	PH-LL	FAN MONT
FPS-43070159	Monitor	PH-LL	FAN MONT
FPS-43070160	Monitor	PH-LL	FAN MONT
FPS-43070173	Monitor	PH-LL	FAN MONT
FPS-43070174	Monitor	PH-LL	FAN MONT
FPS-43070167	Monitor	PH-LL	FAN MONT
FPS-43070168	Monitor	PH-LL	FAN MONT
FPS-43070169	Monitor	PH-LL	FAN MONT
FPS-43070170	Monitor	PH-LL	FAN MONT
FPS-43070171	Monitor	PH-LL	FAN MONT
FPS-43070172	Monitor	PH-LL	FAN MONT
FPS-43070161	Monitor	PH-LL	FAN MONT
FPS-43070162	Monitor	PH-LL	FAN MONT
FPS-43070163	Monitor	PH-LL	FAN MONT
FPS-43070164	Monitor	PH-LL	FAN MONT
FPS-43070165	Monitor	PH-LL	FAN MONT
FPS-43070166	Monitor	PH-LL	FAN MONT
FPS-44040197	Monitor	STROGER	FAN MONT
FPS-44040198	Monitor	STROGER	FAN MONT
FPS-44040199	Monitor	STROGER	FAN MONT
FPS-44040200	Monitor	STROGER	FAN MONT
FPS-44040191	Monitor	STROGER	FAN MONT
FPS-44040192	Monitor	STROGER	FAN MONT
FPS-44040193	Monitor	STROGER	FAN MONT
FPS-44040194	Monitor	STROGER	FAN MONT
FPS-44040195	Monitor	STROGER	FAN MONT
FPS-44040196	Monitor	STROGER	FAN MONT
FPS-44040185	Monitor	STROGER	FAN MONT
FPS-44040186	Monitor	STROGER	FAN MONT
FPS-44040187	Monitor	STROGER	FAN MONT
FPS-44040188	Monitor	STROGER	FAN MONT
FPS-44040189	Monitor	STROGER	FAN MONT
FPS-44040190	Monitor	STROGER	FAN MONT
FPS-44040179	Monitor	STROGER	FAN MONT
FPS-44040180	Monitor	STROGER	FAN MONT
FPS-44040181	Monitor	STROGER	FAN MONT
FPS-44040182	Monitor	STROGER	FAN MONT
FPS-44040183	Monitor	STROGER	FAN MONT
FPS-44040184	Monitor	STROGER	FAN MONT
FPS-44040173	Monitor	STROGER	FAN MONT
FPS-44040174	Monitor	STROGER	FAN MONT
FPS-44040175	Monitor	STROGER	FAN MONT
FPS-44040176	Monitor	STROGER	FAN MONT
FPS-44040177	Monitor	STROGER	FAN MONT
FPS-44040178	Monitor	STROGER	FAN MONT

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FAN MONT			
FPS-44040167	Monitor	STROGER	FAN MONT
FPS-44040168	Monitor	STROGER	FAN MONT
FPS-44040169	Monitor	STROGER	FAN MONT
FPS-44040170	Monitor	STROGER	FAN MONT
FPS-44040171	Monitor	STROGER	FAN MONT
FPS-44040172	Monitor	STROGER	FAN MONT
FPS-43070181	Monitor	STROGER	FAN MONT
FPS-43070182	Monitor	STROGER	FAN MONT
FPS-43070183	Monitor	STROGER	FAN MONT
FPS-43070184	Monitor	STROGER	FAN MONT
FPS-43070197	Monitor	STROGER	FAN MONT
FPS-43070198	Monitor	STROGER	FAN MONT
FPS-43070199	Monitor	STROGER	FAN MONT
FPS-43070200	Monitor	STROGER	FAN MONT
FPS-43070201	Monitor	STROGER	FAN MONT
FPS-43070191	Monitor	STROGER	FAN MONT
FPS-43070192	Monitor	STROGER	FAN MONT
FPS-43070193	Monitor	STROGER	FAN MONT
FPS-43070194	Monitor	STROGER	FAN MONT
FPS-43070195	Monitor	STROGER	FAN MONT
FPS-43070196	Monitor	STROGER	FAN MONT
FPS-43070185	Monitor	STROGER	FAN MONT
FPS-43070186	Monitor	STROGER	FAN MONT
FPS-43070187	Monitor	STROGER	FAN MONT
FPS-43070188	Monitor	STROGER	FAN MONT
FPS-43070189	Monitor	STROGER	FAN MONT
FPS-43070190	Monitor	STROGER	FAN MONT
FPS-44040166	Monitor	STROGER	FAN MONT
FPS-43080229	Relay	5500	FAN MONT
FPS-43080223	Relay	5500	FAN MONT
FPS-43080224	Relay	5500	FAN MONT
FPS-43080225	Relay	5500	FAN MONT
FPS-43080226	Relay	5500	FAN MONT
FPS-43080227	Relay	5500	FAN MONT
FPS-43080228	Relay	5500	FAN MONT
FPS-43080217	Relay	5500	FAN MONT
FPS-43080218	Relay	5500	FAN MONT
FPS-43080219	Relay	5500	FAN MONT
FPS-43080220	Relay	5500	FAN MONT
FPS-43080221	Relay	5500	FAN MONT
FPS-43080222	Relay	5500	FAN MONT
FPS-43080211	Relay	5500	FAN MONT
FPS-43080212	Relay	5500	FAN MONT
FPS-43080213	Relay	5500	FAN MONT
FPS-43080214	Relay	5500	FAN MONT
FPS-43080215	Relay	5500	FAN MONT
FPS-43080216	Relay	5500	FAN MONT
FPS-43080205	Relay	5500	FAN MONT
FPS-43080206	Relay	5500	FAN MONT
FPS-43080207	Relay	5500	FAN MONT
FPS-43080208	Relay	5500	FAN MONT

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FAN MONT			
FPS-43080209	Relay	5500	FAN MONT
FPS-43080210	Relay	5500	FAN MONT
FPS-43080199	Relay	5500	FAN MONT
FPS-43080200	Relay	5500	FAN MONT
FPS-43080201	Relay	5500	FAN MONT
FPS-43080202	Relay	5500	FAN MONT
FPS-43080203	Relay	5500	FAN MONT
FPS-43080204	Relay	5500	FAN MONT
FPS-43080193	Relay	5500	FAN MONT
FPS-43080194	Relay	5500	FAN MONT
FPS-43080195	Relay	5500	FAN MONT
FPS-43080196	Relay	5500	FAN MONT
FPS-43080197	Relay	5500	FAN MONT
FPS-43080198	Relay	5500	FAN MONT
FPS-43080187	Relay	5500	FAN MONT
FPS-43080188	Relay	5500	FAN MONT
FPS-43080189	Relay	5500	FAN MONT
FPS-43080190	Relay	5500	FAN MONT
FPS-43080191	Relay	5500	FAN MONT
FPS-43080192	Relay	5500	FAN MONT
FPS-43080181	Relay	5500	FAN MONT
FPS-43080182	Relay	5500	FAN MONT
FPS-43080183	Relay	5500	FAN MONT
FPS-43080184	Relay	5500	FAN MONT
FPS-43080185	Relay	5500	FAN MONT
FPS-43080186	Relay	5500	FAN MONT
FPS-43080175	Relay	5500	FAN MONT
FPS-43080176	Relay	5500	FAN MONT
FPS-43080177	Relay	5500	FAN MONT
FPS-43080178	Relay	5500	FAN MONT
FPS-43080179	Relay	5500	FAN MONT
FPS-43080180	Relay	5500	FAN MONT
FPS-43080169	Relay	5500	FAN MONT
FPS-43080170	Relay	5500	FAN MONT
FPS-43080171	Relay	5500	FAN MONT
FPS-43080172	Relay	5500	FAN MONT
FPS-43080173	Relay	5500	FAN MONT
FPS-43080174	Relay	5500	FAN MONT
FPS-43080163	Relay	5500	FAN MONT
FPS-43080164	Relay	5500	FAN MONT
FPS-43080165	Relay	5500	FAN MONT
FPS-43080166	Relay	5500	FAN MONT
FPS-43080167	Relay	5500	FAN MONT
FPS-43080168	Relay	5500	FAN MONT
FPS-43080157	Relay	5500	FAN MONT
FPS-43080158	Relay	5500	FAN MONT
FPS-43080159	Relay	5500	FAN MONT
FPS-43080160	Relay	5500	FAN MONT
FPS-43080161	Relay	5500	FAN MONT
FPS-43080162	Relay	5500	FAN MONT
FPS-43080151	Relay	5500	FAN MONT

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FAN MONT			
FPS-43080152	Relay	5500	FAN MONT
FPS-43080153	Relay	5500	FAN MONT
FPS-43080154	Relay	5500	FAN MONT
FPS-43080155	Relay	5500	FAN MONT
FPS-43080156	Relay	5500	FAN MONT
FPS-43080145	Relay	5500	FAN MONT
FPS-43080146	Relay	5500	FAN MONT
FPS-43080147	Relay	5500	FAN MONT
FPS-43080148	Relay	5500	FAN MONT
FPS-43080149	Relay	5500	FAN MONT
FPS-43080150	Relay	5500	FAN MONT
FPS-43080139	Relay	5500	FAN MONT
FPS-43080140	Relay	5500	FAN MONT
FPS-43080141	Relay	5500	FAN MONT
FPS-43080142	Relay	5500	FAN MONT
FPS-43080143	Relay	5500	FAN MONT
FPS-43080144	Relay	5500	FAN MONT
FPS-43080136	Relay	5500	FAN MONT
FPS-43080137	Relay	5500	FAN MONT
FPS-43080138	Relay	5500	FAN MONT
FIRE PUMP EMERGENCY			
FPS-9020159	Supervisory	PH-LL	FIRE PUMP EMERGENCY POWER
G/APULL			
FPS-46060145	General Alarm	9414	G/APULL
GENERATOR RELAY			
FPS-9050148	Relay	PH-R	GENERATOR RELAY
GENERATOR STATUS			
FPS-9050138	Monitor	PH-R	GENERATOR STATUS
FPS-9050139	Monitor	PH-R	GENERATOR STATUS
FPS-9050140	Monitor	PH-R	GENERATOR STATUS
FPS-9050141	Monitor	PH-R	GENERATOR STATUS
FPS-9050142	Monitor	PH-R	GENERATOR STATUS
FPS-9050143	Monitor	PH-R	GENERATOR STATUS
FPS-9050144	Monitor	PH-R	GENERATOR STATUS
FPS-9050145	Monitor	PH-R	GENERATOR STATUS
FPS-9050146	Monitor	PH-R	GENERATOR STATUS
FPS-9050147	Monitor	PH-R	GENERATOR STATUS
HEAT DETECTOR			
FPS-9020014	10-16-4-1	PH-LL	HEAT DETECTOR
FPS-9020015	10-16-1-1	PH-LL	HEAT DETECTOR
FPS-9020016	10-16-1-1	PH-LL	HEAT DETECTOR
FPS-37040011	10-2-1-1	LL860	HEAT DETECTOR
FPS-37100011	10-7-1-1	LL190	HEAT DETECTOR
FPS-37100012	10-7-1-1	LL190	HEAT DETECTOR
HOOD			
FPS-37080126	10-6-2-1	LD DOCK	HOOD

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ISOLATION SWITCH			
FPS-9020160	Monitor	PH-LL	ISOLATION SWITCH
Kitchen Grill Area Fire			
FPS-KTH01		LL600	Kitchen Grill Area Fire Suppression System
LOW AIR			
FPS-38030159	Supervisory	LD DOCK	LOW AIR
FPS-38030160	Supervisory	LD DOCK	LOW AIR
FPS-41050184	Supervisory	3647	LOW AIR

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Magnetic Door Control			
FPS-3075MD		3000	Magnetic Door Control
FPS-1038MD		1ST FLR	Magnetic Door Control
FPS-3032MD		3RD FLR	Magnetic Door Control
FPS-3039MD		3RD FLR	Magnetic Door Control
FPS-3062MD		3RD FLR	Magnetic Door Control
FPS-3063MD		3RD FLR	Magnetic Door Control
FPS-4060MD		4TH FLR	Magnetic Door Control
FPS-4061MD		4TH FLR	Magnetic Door Control
FPS-7008MD		7TH FLR	Magnetic Door Control
FPS-8015MD		8TH FLR	Magnetic Door Control
FPS-8016MD		8TH FLR	Magnetic Door Control
FPS-1105MD		1110	Magnetic Door Control
FPS-1106MD		1110	Magnetic Door Control
FPS-1172MD		1250	Magnetic Door Control
FPS-1183MD		1189	Magnetic Door Control
FPS-1174MD		1230	Magnetic Door Control
FPS-1139MD		1491	Magnetic Door Control
FPS-1140MD		1491	Magnetic Door Control
FPS-1068MD		1500S	Magnetic Door Control
FPS-1073MD		1537	Magnetic Door Control
FPS-1072MD		1542	Magnetic Door Control
FPS-1142MD		1502	Magnetic Door Control
FPS-1152MD		1476	Magnetic Door Control
FPS-1154MD		1476	Magnetic Door Control
FPS-1155MD		1476	Magnetic Door Control
FPS-1144MD		1453	Magnetic Door Control
FPS-1143MD		1450	Magnetic Door Control
FPS-1160MD		1451	Magnetic Door Control
FPS-1161MD		1451	Magnetic Door Control
FPS-1141MD		1402	Magnetic Door Control
FPS-1129MD		1315	Magnetic Door Control
FPS-1163MD		1312	Magnetic Door Control
FPS-1164MD		1312	Magnetic Door Control
FPS-1166MD		1313	Magnetic Door Control
FPS-1167MD		1313	Magnetic Door Control
FPS-1168MD		1313	Magnetic Door Control
FPS-1133MD		1354	Magnetic Door Control
FPS-1134MD		1354	Magnetic Door Control
FPS-1128MD		1310	Magnetic Door Control
FPS-1018MD		1900	Magnetic Door Control
FPS-1021MD		1900	Magnetic Door Control
FPS-1024MD		1926	Magnetic Door Control
FPS-1025MD		1950	Magnetic Door Control
FPS-1026MD		1950	Magnetic Door Control
FPS-1027MD		1950	Magnetic Door Control
FPS-1012MD		1879	Magnetic Door Control
FPS-1011MD		1860	Magnetic Door Control
FPS-1002MD		1840	Magnetic Door Control
FPS-1056MD		1778	Magnetic Door Control
FPS-1042MD		1739	Magnetic Door Control
FPS-1040MD		1730	Magnetic Door Control

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Magnetic Door Control			
FPS-1045MD		1705	Magnetic Door Control
FPS-1046MD		1705	Magnetic Door Control
FPS-1048MD		1705	Magnetic Door Control
FPS-1049MD		1705	Magnetic Door Control
FPS-1052MD		1709	Magnetic Door Control
FPS-1003MD		1709	Magnetic Door Control
FPS-1041MD		1716	Magnetic Door Control
FPS-1087MD		1690A	Magnetic Door Control
FPS-1090MD		1690B	Magnetic Door Control
FPS-1091MD		1690B	Magnetic Door Control
FPS-1080MD		1690B	Magnetic Door Control
FPS-1081MD		1690B	Magnetic Door Control
FPS-1092MD		1690C	Magnetic Door Control
FPS-1093MD		1690C	Magnetic Door Control
FPS-1061MD		1697	Magnetic Door Control
FPS-1062MD		1697	Magnetic Door Control
FPS-1085MD		1593	Magnetic Door Control
FPS-1086MD		1593	Magnetic Door Control
FPS-1070MD		1549	Magnetic Door Control
FPS-1067MD		1551	Magnetic Door Control
FPS-1065MD		1552	Magnetic Door Control
FPS-1066MD		1552	Magnetic Door Control
FPS-1036MD		1S STAIR18	Magnetic Door Control
FPS-1005MD		1S STAIR2	Magnetic Door Control
FPS-1014MD		1S STAIR20	Magnetic Door Control
FPS-1015MD		1S STAIR20	Magnetic Door Control
FPS-1191MD		1S STAIR3	Magnetic Door Control
FPS-1113MD		1S STAIR9	Magnetic Door Control
FPS-1038MD		1ST FLR	Magnetic Door Control
FPS-1029MD		1970	Magnetic Door Control
FPS-1034MD		1989	Magnetic Door Control
FPS-1035MD		1989	Magnetic Door Control
FPS-1039MD		1B FIRSMK DRS	Magnetic Door Control
FPS-1109MD		1S STAIR10	Magnetic Door Control
FPS-1181MD		1S STAIR11	Magnetic Door Control
FPS-1157MD		1S STAIR15	Magnetic Door Control
FPS-1156MD		1S STAIR16	Magnetic Door Control
FPS-2083MD		2388	Magnetic Door Control
FPS-2085MD		2388	Magnetic Door Control
FPS-2099MD		2305	Magnetic Door Control
FPS-2100MD		2305	Magnetic Door Control
FPS-2094MD		2340	Magnetic Door Control
FPS-2095MD		2340	Magnetic Door Control
FPS-2029MD		2882	Magnetic Door Control
FPS-2030MD		2882	Magnetic Door Control
FPS-2031MD		2877	Magnetic Door Control
FPS-2032MD		2877	Magnetic Door Control
FPS-2027MD		2880	Magnetic Door Control
FPS-2010MD		2702	Magnetic Door Control
FPS-2011MD		2702	Magnetic Door Control
FPS-2012MD		2702	Magnetic Door Control

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Magnetic Door Control			
FPS-2013MD		2702	Magnetic Door Control
FPS-2016MD		2704	Magnetic Door Control
FPS-2014MD		2705	Magnetic Door Control
FPS-2015MD		2705	Magnetic Door Control
FPS-2008MD		2630	Magnetic Door Control
FPS-2003MD		2640	Magnetic Door Control
FPS-2004MD		2640	Magnetic Door Control
FPS-2057MD		2600	Magnetic Door Control
FPS-2058MD		2600	Magnetic Door Control
FPS-2054MD		2601	Magnetic Door Control
FPS-2055MD		2601	Magnetic Door Control
FPS-2005MD		2601	Magnetic Door Control
FPS-2006MD		2601	Magnetic Door Control
FPS-2047MD		2555	Magnetic Door Control
FPS-2048MD		2555	Magnetic Door Control
FPS-2050MD		2555	Magnetic Door Control
FPS-2051MD		2555	Magnetic Door Control
FPS-2062MD		2521	Magnetic Door Control
FPS-2052MD		2505	Magnetic Door Control
FPS-2053MD		2505	Magnetic Door Control
FPS-2070MD		2440	Magnetic Door Control
FPS-2049MD		2S STAIR16	Magnetic Door Control
FPS-2040MD		2S STAIR18	Magnetic Door Control
FPS-2028MD		2S STAIR19	Magnetic Door Control
FPS-2019MD		2S STAIR2	Magnetic Door Control
FPS-2020MD		2S STAIR2	Magnetic Door Control
FPS-2009MD		2S STAIR3	Magnetic Door Control
FPS-2001MD		2S STAIR5	Magnetic Door Control
FPS-2091MD		2S STAIR6	Magnetic Door Control
FPS-2092MD		2S STAIR8	Magnetic Door Control
FPS-2024MD		2S STAIR 20	Magnetic Door Control
FPS-2023MD		2S STAIR1	Magnetic Door Control
FPS-2059MD		2S STAIR15	Magnetic Door Control
FPS-3075MD		3000	Magnetic Door Control
FPS-3030MD		3525	Magnetic Door Control
FPS-3017MD		3525	Magnetic Door Control
FPS-3028MD		3510	Magnetic Door Control
FPS-3019MD		3457	Magnetic Door Control
FPS-3020MD		3457	Magnetic Door Control
FPS-3041MD		3458	Magnetic Door Control
FPS-3042MD		3466	Magnetic Door Control
FPS-3043MD		3466	Magnetic Door Control
FPS-3053MD		3421	Magnetic Door Control
FPS-3054MD		3421	Magnetic Door Control
FPS-3025MD		3451	Magnetic Door Control
FPS-3026MD		3451	Magnetic Door Control
FPS-3027MD		3451	Magnetic Door Control
FPS-3071MD		3100	Magnetic Door Control
FPS-3033MD		3675	Magnetic Door Control
FPS-3037MD		3620	Magnetic Door Control
FPS-3034MD		3601	Magnetic Door Control

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Magnetic Door Control			
FPS-3035MD		3602	Magnetic Door Control
FPS-3036MD		3602	Magnetic Door Control
FPS-3022MD		3561	Magnetic Door Control
FPS-3023MD		3561	Magnetic Door Control
FPS-3009MD		3800	Magnetic Door Control
FPS-3015MD		3900	Magnetic Door Control
FPS-3016MD		3900	Magnetic Door Control
FPS-3014MD		3904	Magnetic Door Control
FPS-3031MD		3684	Magnetic Door Control
FPS-3001MD		3700	Magnetic Door Control
FPS-3002MD		3700	Magnetic Door Control
FPS-3003MD		3700	Magnetic Door Control
FPS-3032MD		3RD FLR	Magnetic Door Control
FPS-3039MD		3RD FLR	Magnetic Door Control
FPS-3062MD		3RD FLR	Magnetic Door Control
FPS-3063MD		3RD FLR	Magnetic Door Control
FPS-3064MD		3S EAST	Magnetic Door Control
FPS-3065MD		3S EAST	Magnetic Door Control
FPS-3076MD		3S EAST	Magnetic Door Control
FPS-3077MD		3S EAST	Magnetic Door Control
FPS-3068MD		3S STAIR11	Magnetic Door Control
FPS-3069MD		3S STAIR11	Magnetic Door Control
FPS-3044MD		3S STAIR15	Magnetic Door Control
FPS-3021MD		3S STAIR16	Magnetic Door Control
FPS-3018MD		3S STAIR18	Magnetic Door Control
FPS-3011MD		3S STAIR19	Magnetic Door Control
FPS-3012MD		3S STAIR19	Magnetic Door Control
FPS-3007MD		3S STAIR2	Magnetic Door Control
FPS-3008MD		3S STAIR2	Magnetic Door Control
FPS-3095MD		3S STAIR3	Magnetic Door Control
FPS-3096MD		3S STAIR5	Magnetic Door Control
FPS-3060MD		3S STAIR6	Magnetic Door Control
FPS-3057MD		3S STAIR8	Magnetic Door Control
FPS-3072MD		3S STAIR9	Magnetic Door Control
FPS-3073MD		3S STAIR9	Magnetic Door Control
FPS-4055MD		4000	Magnetic Door Control
FPS-4039MD		4082	Magnetic Door Control
FPS-4040MD		4082	Magnetic Door Control
FPS-4067MD		4431	Magnetic Door Control
FPS-4068MD		4441	Magnetic Door Control
FPS-4069MD		4441	Magnetic Door Control
FPS-4008MD		4394	Magnetic Door Control
FPS-4007MD		4394	Magnetic Door Control
FPS-4009MD		4395	Magnetic Door Control
FPS-4010MD		4395	Magnetic Door Control
FPS-4071MD		4489	Magnetic Door Control
FPS-4004MD		4501	Magnetic Door Control
FPS-4003MD		4501	Magnetic Door Control
FPS-4072MD		4479	Magnetic Door Control
FPS-4073MD		4465	Magnetic Door Control
FPS-4016MD		4519	Magnetic Door Control

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Magnetic Door Control			
FPS-4024MD		4760	Magnetic Door Control
FPS-4027MD		4800	Magnetic Door Control
FPS-4022MD		4754	Magnetic Door Control
FPS-4023MD		4754	Magnetic Door Control
FPS-4006MD		4603	Magnetic Door Control
FPS-4005MD		4603	Magnetic Door Control
FPS-4028MD		4S STAIR2	Magnetic Door Control
FPS-4025MD		4S STAIR2	Magnetic Door Control
FPS-4012MD		4S STAIR3	Magnetic Door Control
FPS-4011MD		4S STAIR5	Magnetic Door Control
FPS-4058MD		4S STAIR6	Magnetic Door Control
FPS-4056MD		4S STAIR8	Magnetic Door Control
FPS-4049MD		4S STAIR9	Magnetic Door Control
FPS-4050MD		4S STAIR9	Magnetic Door Control
FPS-4060MD		4TH FLR	Magnetic Door Control
FPS-4061MD		4TH FLR	Magnetic Door Control
FPS-4037MD		4984	Magnetic Door Control
FPS-4038MD		4984	Magnetic Door Control
FPS-4030MD		4B FIRSMK DRS	Magnetic Door Control
FPS-4045MD		4S STAIR11	Magnetic Door Control
FPS-4046MD		4S STAIR11	Magnetic Door Control
FPS-4117MD		4S STAIR15	Magnetic Door Control
FPS-4001MD		4S STAIR16	Magnetic Door Control
FPS-4020MD		4S STAIR18	Magnetic Door Control
FPS-4032MD		4S STAIR19	Magnetic Door Control
FPS-4036MD		4900	Magnetic Door Control
FPS-5017MD		5S STAIR5	Magnetic Door Control
FPS-5041MD		5S STAIR6	Magnetic Door Control
FPS-5047MD		5S STAIR7	Magnetic Door Control
FPS-5052MD		5S STAIR7	Magnetic Door Control
FPS-5080MD		5S STAIR8	Magnetic Door Control
FPS-5024MD		5S STAIR9	Magnetic Door Control
FPS-5025MD		5S STAIR9	Magnetic Door Control
FPS-5023MD		5S STAIR11	Magnetic Door Control
FPS-5034MD		5S STAIR15	Magnetic Door Control
FPS-5001MD		5S STAIR16	Magnetic Door Control
FPS-5004MD		5S STAIR17	Magnetic Door Control
FPS-5012MD		5S STAIR18	Magnetic Door Control
FPS-5013MD		5S STAIR19	Magnetic Door Control
FPS-5014MD		5S STAIR2	Magnetic Door Control
FPS-5015MD		5S STAIR2	Magnetic Door Control
FPS-5021MD		5S STAIR3	Magnetic Door Control
FPS-5050MD		5S STAIR4	Magnetic Door Control
FPS-5019MD		5S STAIR4	Magnetic Door Control
FPS-6004MD		6301	Magnetic Door Control
FPS-6003MD		6301	Magnetic Door Control
FPS-6009MD		6TH FLR C	Magnetic Door Control
FPS-6010MD		6TH FLR C	Magnetic Door Control
FPS-6011MD		6TH FLR D	Magnetic Door Control
FPS-6008MD		6TH FLR D	Magnetic Door Control
FPS-6005MD		6S STAIR7	Magnetic Door Control

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Magnetic Door Control			
FPS-6014MD		6S STAIR17	Magnetic Door Control
FPS-6001MD		6S STAIR4	Magnetic Door Control
FPS-6012MD		6562	Magnetic Door Control
FPS-6002MD		6501	Magnetic Door Control
FPS-7003MD		7301	Magnetic Door Control
FPS-7004MD		7301	Magnetic Door Control
FPS-7002MD		7501	Magnetic Door Control
FPS-7009MD		7S ELEV	Magnetic Door Control
FPS-7010MD		7S ELEV	Magnetic Door Control
FPS-7014MD		7S STAIR17	Magnetic Door Control
FPS-7001MD		7S STAIR4	Magnetic Door Control
FPS-7005MD		7S STAIR7	Magnetic Door Control
FPS-7008MD		7TH FLR	Magnetic Door Control
FPS-7011MD		7W ELEV	Magnetic Door Control
FPS-7012MD		7W ELEV	Magnetic Door Control
FPS-8003MD		8301	Magnetic Door Control
FPS-8004MD		8302	Magnetic Door Control
FPS-8011MD		8550	Magnetic Door Control
FPS-8008MD		8361	Magnetic Door Control
FPS-8009MD		8562	Magnetic Door Control
FPS-8010MD		8562	Magnetic Door Control
FPS-8002MD		8501	Magnetic Door Control
FPS-8012MD		8S STAIR17	Magnetic Door Control
FPS-8001MD		8S STAIR4	Magnetic Door Control
FPS-8005MD		8S STAIR7	Magnetic Door Control
FPS-8015MD		8TH FLR	Magnetic Door Control
FPS-8016MD		8TH FLR	Magnetic Door Control
FPS-9001MD		9S STAIR4	Magnetic Door Control
FPS-9004MD		9S STAIR7	Magnetic Door Control
P/A MUTE			
FPS-37100137	Relay	LL120	P/A MUTE
PANEL			
FPS-40050159	2-4-1-1	2582	PANEL
FPS-40050160	Supervisory	2582	PANEL
FPS-40050151	2-4-1-1	2678	PANEL
FPS-40050152	Supervisory	2678	PANEL
POWER FAIL			
FPS-48040141	Supervisory	3RD FLR	POWER FAIL
FPS-48040142	Supervisory	3RD FLR	POWER FAIL
FPS-48040141	Supervisory	3RD FLR	POWER FAIL
FPS-48040142	Supervisory	3RD FLR	POWER FAIL

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PREACTION			
FPS-40050153	2-4-5-1	2ND FLR	PREACTION
FPS-40050154	Supervisory	2ND FLR	PREACTION
FPS-40050157	2-4-5-1	2ND FLR	PREACTION
FPS-40050158	Supervisory	2ND FLR	PREACTION
FPS-40050153	2-4-5-1	2ND FLR	PREACTION
FPS-40050154	Supervisory	2ND FLR	PREACTION
FPS-40050157	2-4-5-1	2ND FLR	PREACTION
FPS-40050158	Supervisory	2ND FLR	PREACTION
FPS-37100135	Supervisory	LL FLR	PREACTION
FPS-37100156	Supervisory	LL FLR	PREACTION
PREACTION-Removed 2/10			
FPS-37100155	10-7-5-1	LL FLR	PREACTION-Removed 2/10

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PULL STATION			
FPS-48050141	3-7-1-1	3000	PULL STATION
FPS-9030135	1-16-1-1	PH-1	PULL STATION
FPS-9030137	1-16-1-1	PH-1	PULL STATION
FPS-9030139	1-16-1-1	PH-1	PULL STATION
FPS-9030131	1-16-1-1	PH-1	PULL STATION
FPS-9030133	1-16-1-1	PH-1	PULL STATION
FPS-9040127	2-16-1-1	PH-2	PULL STATION
FPS-9040129	2-16-1-1	PH-2	PULL STATION
FPS-9050127	3-16-1-1	PH-3	PULL STATION
FPS-9050129	3-16-1-1	PH-3	PULL STATION
FPS-9020141	10-16-1-1	PH-LL	PULL STATION
FPS-9020143	10-16-1-1	PH-LL	PULL STATION
FPS-9020152	10-16-1-1	PH-LL	PULL STATION
FPS-9050133	4-16-1-1	PH-R	PULL STATION
FPS-9050137	4-16-1-1	PH-R	PULL STATION
FPS-47020134	1-1-1-3	1ST FLR	PULL STATION
FPS-47050135	1-5-1-2	1ST FLR	PULL STATION
FPS-39050139	1-4-1-1	1ST FLR	PULL STATION
FPS-47050137	1-5-1-2	1ST FLR	PULL STATION
FPS-39100153	1-5-1-1	1ST FLR	PULL STATION
FPS-39100155	1-5-1-1	1ST FLR	PULL STATION
FPS-39030138	1-2-1-3	1ST FLR	PULL STATION
FPS-39050135	1-4-1-1	1ST FLR	PULL STATION
FPS-39030136	1-2-1-3	1ST FLR	PULL STATION
FPS-38050145	1-1-1-2	1ST FLR	PULL STATION
FPS-38050155	1-1-1-2	1ST FLR	PULL STATION
FPS-39050127	1-4-1-1	1ST FLR	PULL STATION
FPS-39050130	1-4-1-1	1ST FLR	PULL STATION
FPS-39090173	1-7-1-1	1ST FLR	PULL STATION
FPS-39080137	1-6-1-1	1ST FLR	PULL STATION
FPS-38050135	1-2-1-3	1ST FLR	PULL STATION
FPS-39080144	1-6-1-1	1ST FLR	PULL STATION
FPS-39060148	1-5-1-2	1ST FLR	PULL STATION
FPS-39060138	1-6-1-2	1ST FLR	PULL STATION
FPS-38040150	1-1-1-1	1ST FLR	PULL STATION
FPS-38040154	1-1-1-1	1ST FLR	PULL STATION
FPS-39090130	1-7-1-1	1ST FLR	PULL STATION
FPS-39090132	1-7-1-1	1ST FLR	PULL STATION
FPS-39080146	1-6-1-1	1ST FLR	PULL STATION
FPS-39090136	1-7-1-1	1ST FLR	PULL STATION
FPS-39090171	1-7-1-1	1ST FLR	PULL STATION
FPS-39100132	1-6-1-1	1ST FLR	PULL STATION
FPS-39100145	1-8-1-1	1ST FLR	PULL STATION
FPS-40060130	2-3-1-1	2ND FLR	PULL STATION
FPS-43050135	2-8-1-2	2ND FLR	PULL STATION
FPS-40020132	2-2-1-1	2ND FLR	PULL STATION
FPS-40020138	2-1-1-1	2ND FLR	PULL STATION
FPS-40110133	2-7-1-1	2ND FLR	PULL STATION
FPS-43050129	2-8-1-2	2ND FLR	PULL STATION
FPS-40100134	2-6-1-3	2ND FLR	PULL STATION
FPS-40070141	2-5-1-1	2ND FLR	PULL STATION

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PULL STATION			
FPS-40090132	2-6-1-2	2ND FLR	PULL STATION
FPS-40090139	2-6-1-2	2ND FLR	PULL STATION
FPS-40030130	2-1-1-1	2ND FLR	PULL STATION
FPS-40050139	2-4-1-1	2ND FLR	PULL STATION
FPS-40030140	2-1-1-1	2ND FLR	PULL STATION
FPS-40070145	2-3-1-1	2ND FLR	PULL STATION
FPS-40070147	2-3-1-1	2ND FLR	PULL STATION
FPS-40070132	2-5-1-1	2ND FLR	PULL STATION
FPS-40070139	2-5-1-1	2ND FLR	PULL STATION
FPS-48050135	3-7-1-1	3025	PULL STATION
FPS-48110133	3-5-1-1	3RD FLR	PULL STATION
FPS-48030132	3-4-1-2	3RD FLR	PULL STATION
FPS-48050137	3-7-1-1	3026	PULL STATION
FPS-48110137	3-5-1-1	3RD FLR	PULL STATION
FPS-42030127	3-6-1-2	3RD FLR	PULL STATION
FPS-42020144	3-6-1-1	3RD FLR	PULL STATION
FPS-42050134	3-8-1-1	3RD FLR	PULL STATION
FPS-42040134	3-8-1-1	3RD FLR	PULL STATION
FPS-48040129	3-3-1-1	3RD FLR	PULL STATION
FPS-48040135	3-5-1-2	3RD FLR	PULL STATION
FPS-48040127	3-5-1-2	3RD FLR	PULL STATION
FPS-41020134	3-1-1-1	3RD FLR	PULL STATION
FPS-41030138	3-2-1-1	3RD FLR	PULL STATION
FPS-48050132	3-7-1-1	3RD FLR	PULL STATION
FPS-41050140	3-3-1-1	3RD FLR	PULL STATION
FPS-41050177	3-5-1-1	3RD FLR	PULL STATION
FPS-42030134	3-6-1-2	3RD FLR	PULL STATION
FPS-41040127	3-4-1-1	3RD FLR	PULL STATION
FPS-41030148	3-1-1-1	3RD FLR	PULL STATION
FPS-48030139	3-4-1-2	3RD FLR	PULL STATION
FPS-42070144	4-1-1-1	4TH FLR	PULL STATION
FPS-42070132	4-2-1-1	4TH FLR	PULL STATION
FPS-43040138	4-8-1-1	4TH FLR	PULL STATION
FPS-43030128	4-7-1-1	4TH FLR	PULL STATION
FPS-43020144	4-6-1-2	4TH FLR	PULL STATION
FPS-42100157	4-5-1-1	4TH FLR	PULL STATION
FPS-42100145	4-5-1-1	4TH FLR	PULL STATION
FPS-42100147	4-3-1-1	4TH FLR	PULL STATION
FPS-42090143	4-3-1-1	4TH FLR	PULL STATION
FPS-43020134	4-6-1-2	4TH FLR	PULL STATION
FPS-42100132	4-5-1-1	4TH FLR	PULL STATION
FPS-42100135	4-5-1-1	4TH FLR	PULL STATION
FPS-42090128	4-4-1-1	4TH FLR	PULL STATION
FPS-42100127	4-3-1-1	4TH FLR	PULL STATION
FPS-42110155	4-5-1-1	4TH FLR	PULL STATION
FPS-42110134	4-6-1-1	4TH FLR	PULL STATION
FPS-42110145	4-6-1-1	4TH FLR	PULL STATION
FPS-42060130	4-1-1-1	4TH FLR	PULL STATION
FPS-42080144	4-4-1-1	4TH FLR	PULL STATION
FPS-43080131	5-3-1-1	5TH FLR	PULL STATION
FPS-43080127	5-3-1-1	5TH FLR	PULL STATION

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PULL STATION			
FPS-48080131	5-5-1-2	5TH FLR	PULL STATION
FPS-48090127	5-5-1-2	5TH FLR	PULL STATION
FPS-44020127	5-6-1-1	5TH FLR	PULL STATION
FPS-43080135	5-3-1-1	5TH FLR	PULL STATION
FPS-48090129	5-5-1-2	5TH FLR	PULL STATION
FPS-44020158	5-6-1-1	5TH FLR	PULL STATION
FPS-45060135	6-3-1-1	6TH FLR	PULL STATION
FPS-45080139	6-4-1-1	6TH FLR	PULL STATION
FPS-45070135	6-5-1-1	6TH FLR	PULL STATION
FPS-45090145	7-3-1-1	7TH FLR	PULL STATION
FPS-45110138	7-4-1-1	7TH FLR	PULL STATION
FPS-45100130	7-5-1-1	7TH FLR	PULL STATION
FPS-45090127	7-3-1-1	7TH FLR	PULL STATION
FPS-46040132	8-3-1-1	8TH FLR	PULL STATION
FPS-46030130	8-5-1-1	8TH FLR	PULL STATION
FPS-46020127	8-3-1-1	8TH FLR	PULL STATION
FPS-46020145	8-3-1-1	8TH FLR	PULL STATION
FPS-46040137	8-4-1-1	8TH FLR	PULL STATION
FPS-39090128	1-7-1-1	1110	PULL STATION
FPS-39110137	1-8-1-2	1189	PULL STATION
FPS-39110140	1-8-1-2	1189	PULL STATION
FPS-39110142	1-8-1-2	1211	PULL STATION
FPS-39110128	1-8-1-2	1230	PULL STATION
FPS-39110130	1-8-1-2	1230	PULL STATION
FPS-39110133	1-8-1-2	1237	PULL STATION
FPS-39100148	1-8-1-1	1250	PULL STATION
FPS-39100144	1-8-1-1	1161	PULL STATION
FPS-39100141	1-8-1-1	1175	PULL STATION
FPS-39110135	1-8-1-2	1189	PULL STATION
FPS-39100147	1-6-1-1	1311	PULL STATION
FPS-39080132	1-6-1-1	1311	PULL STATION
FPS-39100159	1-5-1-2	1310	PULL STATION
FPS-39080134	1-6-1-1	1313	PULL STATION
FPS-39080129	1-5-1-1	1320	PULL STATION
FPS-39080127	1-6-1-1	1311	PULL STATION
FPS-47050131	1-5-1-2	1376	PULL STATION
FPS-39070131	1-3-1-1	1395	PULL STATION
FPS-39070133	1-3-1-1	1395	PULL STATION
FPS-39080161	1-6-1-1	1452	PULL STATION
FPS-39080165	1-6-1-1	1452	PULL STATION
FPS-39080159	1-6-1-1	1457	PULL STATION
FPS-39080154	1-6-1-1	1457	PULL STATION
FPS-39080156	1-6-1-1	1457	PULL STATION
FPS-39080152	1-6-1-1	1467	PULL STATION
FPS-39080148	1-6-1-1	1475	PULL STATION
FPS-39080173	1-5-1-1	1490	PULL STATION
FPS-39080171	1-5-1-2	1490	PULL STATION
FPS-39080168	1-6-1-1	1501	PULL STATION
FPS-39060135	1-4-1-2	1533	PULL STATION
FPS-47050128	1-5-1-2	1490	PULL STATION
FPS-39060145	1-6-1-2	1501	PULL STATION

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PULL STATION			
FPS-39050145	1-4-1-1	1642	PULL STATION
FPS-39050132	1-4-1-1	1650	PULL STATION
FPS-39050147	1-4-1-1	1654	PULL STATION
FPS-39070136	1-3-1-1	1680	PULL STATION
FPS-39040129	1-3-1-1	1691	PULL STATION
FPS-39060127	1-3-1-1	1691	PULL STATION
FPS-47020127	1-1-1-3	1704	PULL STATION
FPS-38050142	1-1-1-2	1707	PULL STATION
FPS-38050160	1-1-1-2	1724	PULL STATION
FPS-39060129	1-3-1-1	1683	PULL STATION
FPS-39060131	1-3-1-1	1683	PULL STATION
FPS-47020130	1-1-1-3	1704	PULL STATION
FPS-38050127	1-4-1-3	1729	PULL STATION
FPS-39030131	1-2-1-3	1730	PULL STATION
FPS-39030128	1-2-1-3	1737	PULL STATION
FPS-39020131	1-2-1-1	1748	PULL STATION
FPS-39030134	1-2-1-1	1751	PULL STATION
FPS-38040157	1-1-1-1	1763	PULL STATION
FPS-47040129	1-2-1-4	1786	PULL STATION
FPS-39040133	1-3-1-1	1824	PULL STATION
FPS-38050149	1-1-1-2	1839	PULL STATION
FPS-39020127	1-2-1-1	1781	PULL STATION
FPS-47020138	1-4-1-1	1821	PULL STATION
FPS-47020143	1-4-1-1	1821	PULL STATION
FPS-38040142	1-1-1-3	1842	PULL STATION
FPS-38040137	1-1-1-3	1855	PULL STATION
FPS-47030132	1-2-1-2	1877	PULL STATION
FPS-38040132	1-1-1-3	1864	PULL STATION
FPS-47030133	Relay	1868	PULL STATION
FPS-38040144	1-1-1-3	1841	PULL STATION
FPS-38050153	1-1-1-2	1841	PULL STATION
FPS-38040134	1-1-1-3	1846	PULL STATION
FPS-39020146	1-2-1-1	1922	PULL STATION
FPS-39020148	1-2-1-1	1922	PULL STATION
FPS-47030141	1-1-1-2	1881	PULL STATION
FPS-47030135	1-1-1-2	1881	PULL STATION
FPS-39020142	1-2-1-1	1902	PULL STATION
FPS-39020140	1-2-1-1	1902	PULL STATION
FPS-39020137	1-2-1-1	1902	PULL STATION
FPS-39050127	1-4-1-1	1ST FLR	PULL STATION
FPS-39050130	1-4-1-1	1ST FLR	PULL STATION
FPS-39050135	1-4-1-1	1ST FLR	PULL STATION
FPS-39030136	1-2-1-3	1ST FLR	PULL STATION
FPS-39030138	1-2-1-3	1ST FLR	PULL STATION
FPS-38050145	1-1-1-2	1ST FLR	PULL STATION
FPS-38050155	1-1-1-2	1ST FLR	PULL STATION
FPS-38040150	1-1-1-1	1ST FLR	PULL STATION
FPS-38040154	1-1-1-1	1ST FLR	PULL STATION
FPS-38050135	1-2-1-3	1ST FLR	PULL STATION
FPS-39080144	1-6-1-1	1ST FLR	PULL STATION
FPS-39060148	1-5-1-2	1ST FLR	PULL STATION

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PULL STATION			
FPS-39060138	1-6-1-2	1ST FLR	PULL STATION
FPS-47040142	1-4-1-1	1989	PULL STATION
FPS-39020134	1-2-1-1	1922	PULL STATION
FPS-47040133	1-2-1-4	1986	PULL STATION
FPS-47040135	1-2-1-4	1986	PULL STATION
FPS-39050139	1-4-1-1	1ST FLR	PULL STATION
FPS-47020134	1-1-1-3	1ST FLR	PULL STATION
FPS-47050135	1-5-1-2	1ST FLR	PULL STATION
FPS-39100145	1-8-1-1	1ST FLR	PULL STATION
FPS-47050137	1-5-1-2	1ST FLR	PULL STATION
FPS-39100153	1-5-1-1	1ST FLR	PULL STATION
FPS-39100155	1-5-1-1	1ST FLR	PULL STATION
FPS-39090130	1-7-1-1	1ST FLR	PULL STATION
FPS-39090132	1-7-1-1	1ST FLR	PULL STATION
FPS-39080146	1-6-1-1	1ST FLR	PULL STATION
FPS-39090173	1-7-1-1	1ST FLR	PULL STATION
FPS-39080137	1-6-1-1	1ST FLR	PULL STATION
FPS-39090136	1-7-1-1	1ST FLR	PULL STATION
FPS-39090171	1-7-1-1	1ST FLR	PULL STATION
FPS-39100132	1-6-1-1	1ST FLR	PULL STATION
FPS-40110139	2-7-1-1	2133	PULL STATION
FPS-48100129	2-7-1-1	2102	PULL STATION
FPS-43050127	2-8-1-2	2248	PULL STATION
FPS-43050137	2-8-1-2	2245	PULL STATION
FPS-43050139	2-8-1-2	2211	PULL STATION
FPS-48100127	2-7-1-1	2171	PULL STATION
FPS-40110128	2-8-1-2	2186	PULL STATION
FPS-40110135	2-7-1-1	2135	PULL STATION
FPS-40080132	2-5-1-1	2381	PULL STATION
FPS-40100127	2-6-1-3	2411	PULL STATION
FPS-40070128	2-5-1-1	2371	PULL STATION
FPS-40070136	2-5-1-1	2358	PULL STATION
FPS-40070134	2-5-1-1	2367	PULL STATION
FPS-40040127	2-4-1-1	2702	PULL STATION
FPS-40040129	2-2-1-1	2719	PULL STATION
FPS-40040139	2-1-1-1	2731	PULL STATION
FPS-40040135	2-2-1-1	2726	PULL STATION
FPS-40040137	2-1-1-1	2731	PULL STATION
FPS-40040132	2-2-1-1	2719	PULL STATION
FPS-40090146	2-3-1-1	2601	PULL STATION
FPS-40050142	2-3-1-1	2598	PULL STATION
FPS-40080136	2-5-1-1	2600	PULL STATION
FPS-40040145	2-1-1-1	2630	PULL STATION
FPS-40070149	2-3-1-1	2642	PULL STATION
FPS-40020129	2-2-1-1	2877	PULL STATION
FPS-40060130	2-3-1-1	2ND FLR	PULL STATION
FPS-43050135	2-8-1-2	2ND FLR	PULL STATION
FPS-40020132	2-2-1-1	2ND FLR	PULL STATION
FPS-40020138	2-1-1-1	2ND FLR	PULL STATION
FPS-40020135	2-1-1-1	2804	PULL STATION
FPS-40030137	2-1-1-1	2751	PULL STATION

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PULL STATION			
FPS-40030127	2-1-1-1	2739	PULL STATION
FPS-40050137	2-4-1-1	2577	PULL STATION
FPS-40050132	2-4-1-1	2505	PULL STATION
FPS-40050146	2-4-1-1	2549	PULL STATION
FPS-40090136	2-4-1-2	2550	PULL STATION
FPS-40090134	2-4-1-2	2555	PULL STATION
FPS-40030145	2-3-1-1	2598	PULL STATION
FPS-40030148	2-3-1-1	2598	PULL STATION
FPS-40090148	2-3-1-1	2591	PULL STATION
FPS-40050128	2-3-1-1	2592	PULL STATION
FPS-40090151	2-3-1-1	2591	PULL STATION
FPS-40100131	2-6-1-3	2430	PULL STATION
FPS-40100129	2-6-1-3	2413	PULL STATION
FPS-40080127	2-5-1-1	2454	PULL STATION
FPS-40100143	2-6-1-3	2457	PULL STATION
FPS-40100141	2-6-1-3	2445	PULL STATION
FPS-40080130	2-6-1-1	2450	PULL STATION
FPS-40050130	2-4-1-1	2505	PULL STATION
FPS-40100146	2-6-1-3	2457	PULL STATION
FPS-40090143	2-4-1-2	2505	PULL STATION
FPS-40030130	2-1-1-1	2ND FLR	PULL STATION
FPS-40030140	2-1-1-1	2ND FLR	PULL STATION
FPS-40070145	2-3-1-1	2ND FLR	PULL STATION
FPS-40070132	2-5-1-1	2ND FLR	PULL STATION
FPS-40070139	2-5-1-1	2ND FLR	PULL STATION
FPS-40090132	2-6-1-2	2ND FLR	PULL STATION
FPS-40110133	2-7-1-1	2ND FLR	PULL STATION
FPS-43050129	2-8-1-2	2ND FLR	PULL STATION
FPS-40070147	2-3-1-1	2ND FLR	PULL STATION
FPS-40070141	2-5-1-1	2ND FLR	PULL STATION
FPS-40100134	2-6-1-3	2ND FLR	PULL STATION
FPS-40090139	2-6-1-2	2ND FLR	PULL STATION
FPS-40050139	2-4-1-1	2ND FLR	PULL STATION
FPS-48050127	3-8-1-2	3010	PULL STATION
FPS-48050141	3-7-1-1	3000	PULL STATION
FPS-48110127	3-6-1-1	3010	PULL STATION
FPS-48050144	3-7-1-1	3010	PULL STATION
FPS-48050137	3-7-1-1	3026	PULL STATION
FPS-42040128	3-8-1-1	3059	PULL STATION
FPS-48050135	3-7-1-1	3025	PULL STATION
FPS-48050129	3-7-1-1	3102	PULL STATION
FPS-42040138	3-8-1-1	3110	PULL STATION
FPS-42050130	3-8-1-1	3218	PULL STATION
FPS-48110135	3-5-1-1	3336	PULL STATION
FPS-41050172	3-4-1-1	3411	PULL STATION
FPS-41050175	3-5-1-1	3411	PULL STATION
FPS-48110130	3-6-1-1	3310	PULL STATION
FPS-42020150	3-6-1-1	3452	PULL STATION
FPS-42020152	3-6-1-1	3453	PULL STATION
FPS-41050165	3-4-1-1	3510	PULL STATION
FPS-41050169	3-4-1-1	3510	PULL STATION

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PULL STATION			
FPS-41050163	3-4-1-1	3510	PULL STATION
FPS-41040130	3-4-1-1	3524	PULL STATION
FPS-41040137	3-4-1-1	3552	PULL STATION
FPS-48030139	3-4-1-2	3RD FLR	PULL STATION
FPS-48040127	3-5-1-2	3RD FLR	PULL STATION
FPS-48040129	3-3-1-1	3RD FLR	PULL STATION
FPS-41050177	3-5-1-1	3RD FLR	PULL STATION
FPS-41040127	3-4-1-1	3RD FLR	PULL STATION
FPS-41030138	3-2-1-1	3RD FLR	PULL STATION
FPS-41030148	3-1-1-1	3RD FLR	PULL STATION
FPS-41020134	3-1-1-1	3RD FLR	PULL STATION
FPS-48050132	3-7-1-1	3RD FLR	PULL STATION
FPS-48040135	3-5-1-2	3RD FLR	PULL STATION
FPS-48110133	3-5-1-1	3RD FLR	PULL STATION
FPS-48030132	3-4-1-2	3RD FLR	PULL STATION
FPS-41030128	3-2-1-1	3904	PULL STATION
FPS-48110137	3-5-1-1	3RD FLR	PULL STATION
FPS-42040134	3-8-1-1	3RD FLR	PULL STATION
FPS-42050134	3-8-1-1	3RD FLR	PULL STATION
FPS-42030127	3-6-1-2	3RD FLR	PULL STATION
FPS-42030134	3-6-1-2	3RD FLR	PULL STATION
FPS-42020144	3-6-1-1	3RD FLR	PULL STATION
FPS-41050140	3-3-1-1	3RD FLR	PULL STATION
FPS-41020128	3-1-1-1	3700	PULL STATION
FPS-41050134	3-3-1-1	3684	PULL STATION
FPS-41050153	3-3-1-1	3676	PULL STATION
FPS-41050155	3-4-1-1	3676	PULL STATION
FPS-41030142	3-1-1-1	3800	PULL STATION
FPS-41030132	3-2-1-1	3800	PULL STATION
FPS-48020127	3-1-1-1	3704	PULL STATION
FPS-41030146	3-2-1-1	3780	PULL STATION
FPS-41050127	3-3-1-1	3702	PULL STATION
FPS-41040139	3-4-1-1	3552	PULL STATION
FPS-41040132	3-4-1-1	3522	PULL STATION
FPS-48030143	3-4-1-2	3560	PULL STATION
FPS-48030136	3-4-1-2	3581	PULL STATION
FPS-48030134	3-4-1-2	3582	PULL STATION
FPS-48040140	3-3-1-1	3602	PULL STATION
FPS-41050147	3-3-1-1	3625	PULL STATION
FPS-41050151	3-3-1-1	3676	PULL STATION
FPS-41050138	3-3-1-1	3653	PULL STATION
FPS-48040131	3-3-1-1	3625	PULL STATION
FPS-41050143	3-3-1-1	3633	PULL STATION
FPS-42070129	4-2-1-1	4916	PULL STATION
FPS-42070136	4-2-1-1	4980	PULL STATION
FPS-42070127	4-2-1-1	4983	PULL STATION
FPS-42070132	4-2-1-1	4TH FLR	PULL STATION
FPS-42070144	4-1-1-1	4TH FLR	PULL STATION
FPS-43040138	4-8-1-1	4TH FLR	PULL STATION
FPS-43030128	4-7-1-1	4TH FLR	PULL STATION
FPS-42080144	4-4-1-1	4TH FLR	PULL STATION

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PULL STATION			
FPS-42110155	4-5-1-1	4TH FLR	PULL STATION
FPS-42060130	4-1-1-1	4TH FLR	PULL STATION
FPS-42110145	4-6-1-1	4TH FLR	PULL STATION
FPS-42100157	4-5-1-1	4TH FLR	PULL STATION
FPS-42110134	4-6-1-1	4TH FLR	PULL STATION
FPS-42100147	4-3-1-1	4TH FLR	PULL STATION
FPS-42100145	4-5-1-1	4TH FLR	PULL STATION
FPS-42090128	4-4-1-1	4TH FLR	PULL STATION
FPS-42090143	4-3-1-1	4TH FLR	PULL STATION
FPS-43020134	4-6-1-2	4TH FLR	PULL STATION
FPS-42100132	4-5-1-1	4TH FLR	PULL STATION
FPS-42100127	4-3-1-1	4TH FLR	PULL STATION
FPS-43020144	4-6-1-2	4TH FLR	PULL STATION
FPS-42100135	4-5-1-1	4TH FLR	PULL STATION
FPS-42100150	4-3-1-1	4609	PULL STATION
FPS-42090141	4-3-1-1	4625	PULL STATION
FPS-42090145	4-3-1-1	4623	PULL STATION
FPS-42090139	4-3-1-1	4633	PULL STATION
FPS-42060128	4-1-1-1	4723	PULL STATION
FPS-42090133	4-4-1-1	4754	PULL STATION
FPS-48060130	4-1-1-1	4754	PULL STATION
FPS-42070140	4-1-1-1	4816	PULL STATION
FPS-42080151	4-4-1-1	4560	PULL STATION
FPS-42110158	4-4-1-1	4600	PULL STATION
FPS-42090147	4-4-1-1	4600	PULL STATION
FPS-42080148	4-4-1-1	4566	PULL STATION
FPS-42080135	4-4-1-1	4572	PULL STATION
FPS-43020147	4-6-1-2	4441	PULL STATION
FPS-42110142	4-6-1-1	4475	PULL STATION
FPS-43020136	4-6-1-2	4487	PULL STATION
FPS-42080154	4-4-1-1	4503	PULL STATION
FPS-42080127	4-4-1-1	4519	PULL STATION
FPS-42100129	4-3-1-1	4395	PULL STATION
FPS-42110149	4-4-1-1	4402	PULL STATION
FPS-43020140	4-6-1-2	4393	PULL STATION
FPS-42110137	4-6-1-1	4417	PULL STATION
FPS-43020150	4-6-1-2	4430	PULL STATION
FPS-42110153	4-4-1-1	4411	PULL STATION
FPS-43040150	4-8-1-1	4082	PULL STATION
FPS-42100139	4-5-1-1	4306	PULL STATION
FPS-42100137	4-5-1-1	4321	PULL STATION
FPS-43040128	4-8-1-1	4116	PULL STATION
FPS-43040144	4-8-1-1	4220	PULL STATION
FPS-48070132	4-7-1-1	4055	PULL STATION
FPS-48070127	4-8-1-1	4055	PULL STATION
FPS-48070134	4-7-1-1	4061	PULL STATION
FPS-43030132	4-7-1-1	4016	PULL STATION
FPS-44030136	5-7-1-1	5150	PULL STATION
FPS-45030127	11-3-1-1	5-4W	PULL STATION
FPS-45050127	11-8-1-1	5-4E	PULL STATION
FPS-45040127	11-5-1-1	5-4E	PULL STATION

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PULL STATION			
FPS-45040136	11-5-1-1	5-4E	PULL STATION
FPS-45030140	11-3-1-1	5-4W	PULL STATION
FPS-44040134	5-8-1-1	5250	PULL STATION
FPS-44040127	5-8-1-1	5250	PULL STATION
FPS-44040163	5-8-1-1	5250	PULL STATION
FPS-44040161	5-8-1-1	5250	PULL STATION
FPS-44030127	5-7-1-1	5150	PULL STATION
FPS-45020132	11-1-1-1	5-4W	PULL STATION
FPS-45020127	11-4-1-1	5-4W	PULL STATION
FPS-44040149	5-8-1-1	5250	PULL STATION
FPS-44020127	5-6-1-1	5TH FLR	PULL STATION
FPS-44020158	5-6-1-1	5TH FLR	PULL STATION
FPS-43080135	5-3-1-1	5TH FLR	PULL STATION
FPS-48090129	5-5-1-2	5TH FLR	PULL STATION
FPS-43080131	5-3-1-1	5TH FLR	PULL STATION
FPS-43080127	5-3-1-1	5TH FLR	PULL STATION
FPS-48080131	5-5-1-2	5TH FLR	PULL STATION
FPS-48090127	5-5-1-2	5TH FLR	PULL STATION
FPS-43070127	5-1-1-1	5812	PULL STATION
FPS-43070139	5-2-1-1	5850	PULL STATION
FPS-43070151	5-1-1-1	5850	PULL STATION
FPS-43070129	5-2-1-1	5850	PULL STATION
FPS-48090134	5-6-1-1	5324	PULL STATION
FPS-48080128	5-6-1-1	5425	PULL STATION
FPS-44020151	5-6-1-1	5450	PULL STATION
FPS-43110127	5-6-1-1	5455	PULL STATION
FPS-43100133	5-4-1-2	5520	PULL STATION
FPS-43100136	5-4-1-2	5520	PULL STATION
FPS-43100131	5-4-1-2	5520	PULL STATION
FPS-43080133	5-3-1-1	5680	PULL STATION
FPS-43060137	5-1-1-1	5750	PULL STATION
FPS-43090132	5-4-1-1	5570	PULL STATION
FPS-43090130	5-4-1-1	5570	PULL STATION
FPS-43090144	5-4-1-1	5550	PULL STATION
FPS-43090156	5-4-1-1	5550	PULL STATION
FPS-45070132	6-5-1-1	6302	PULL STATION
FPS-45070130	6-5-1-1	6317	PULL STATION
FPS-45060127	6-5-1-1	6301	PULL STATION
FPS-45070128	6-5-1-1	6337	PULL STATION
FPS-45080133	6-3-1-1	6400	PULL STATION
FPS-45060150	6-4-1-1	6400	PULL STATION
FPS-45080137	6-4-1-1	6406	PULL STATION
FPS-45070135	6-5-1-1	6TH FLR	PULL STATION
FPS-45060131	6-3-1-1	6562	PULL STATION
FPS-45060135	6-3-1-1	6TH FLR	PULL STATION
FPS-45080139	6-4-1-1	6TH FLR	PULL STATION
FPS-45080141	6-6-1-1	6427	PULL STATION
FPS-45060137	6-3-1-1	6517	PULL STATION
FPS-45060141	6-3-1-1	6547	PULL STATION
FPS-45090148	7-5-1-1	7301	PULL STATION
FPS-45100127	7-5-1-1	7302	PULL STATION

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PULL STATION			
FPS-45090133	7-3-1-1	7547	PULL STATION
FPS-45090141	7-3-1-1	7562	PULL STATION
FPS-45100130	7-5-1-1	7TH FLR	PULL STATION
FPS-45090127	7-3-1-1	7TH FLR	PULL STATION
FPS-45110136	7-6-1-1	7417	PULL STATION
FPS-45090131	7-3-1-1	7517	PULL STATION
FPS-45100134	7-5-1-1	7347	PULL STATION
FPS-45110128	7-3-1-1	7400	PULL STATION
FPS-45110140	7-4-1-1	7406	PULL STATION
FPS-45100132	7-5-1-1	7317	PULL STATION
FPS-45090145	7-3-1-1	7TH FLR	PULL STATION
FPS-45110138	7-4-1-1	7TH FLR	PULL STATION
FPS-46020147	8-5-1-1	8301	PULL STATION
FPS-46030132	8-5-1-1	8317	PULL STATION
FPS-46030127	8-5-1-1	8302	PULL STATION
FPS-46030134	8-5-1-1	8347	PULL STATION
FPS-46040135	8-4-1-1	8406	PULL STATION
FPS-46040139	8-6-1-1	8417	PULL STATION
FPS-46020131	8-3-1-1	8517	PULL STATION
FPS-46020132	General Alarm	8547	PULL STATION
FPS-46020141	8-4-1-1	8563	PULL STATION
FPS-46020145	8-3-1-1	8TH FLR	PULL STATION
FPS-46040137	8-4-1-1	8TH FLR	PULL STATION
FPS-46030130	8-5-1-1	8TH FLR	PULL STATION
FPS-46020127	8-3-1-1	8TH FLR	PULL STATION
FPS-46040132	8-3-1-1	8TH FLR	PULL STATION
FPS-46060162	9-5-1-1	9400	PULL STATION
FPS-46060127	9-3-1-1	9512	PULL STATION
FPS-46060152	9-3-1-1	9414	PULL STATION
FPS-46060146	9-3-1-1	9414	PULL STATION
FPS-46060150	9-3-1-1	9414	PULL STATION
FPS-46060164	9-5-1-1	9400	PULL STATION
FPS-46060169	9-5-1-1	9400	PULL STATION
FPS-46060144	9-3-1-1	9414	PULL STATION
FPS-46070133	10-13-1-1	LL FLR	PULL STATION
FPS-46070136	10-13-1-1	LL FLR	PULL STATION
FPS-46070131	10-13-1-1	LL FLR	PULL STATION
FPS-46120134	General Alarm	LL FLR	PULL STATION
FPS-46120135	10-12-1-1	LL FLR	PULL STATION
FPS-46110133	10-7-1-1	LL FLR	PULL STATION
FPS-46100128	10-14-1-1	LL FLR	PULL STATION
FPS-37110136	10-6-1-2	LL FLR	PULL STATION
FPS-38020139	10-8-1-1	LL FLR	PULL STATION
FPS-37110132	10-6-1-2	LL FLR	PULL STATION
FPS-38020135	10-8-1-1	LL FLR	PULL STATION
FPS-38020137	10-8-1-1	LL FLR	PULL STATION
FPS-37040144	10-2-1-1	LL FLR	PULL STATION
FPS-37020135	10-1-1-1	LL FLR	PULL STATION
FPS-37020127	10-1-1-1	LL FLR	PULL STATION
FPS-37040129	10-2-1-1	LL FLR	PULL STATION
FPS-46090131	10-3-1-1	LL FLR	PULL STATION

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PULL STATION			
FPS-46080135	10-2-1-2	LL FLR	PULL STATION
FPS-37050138	10-3-1-1	LL FLR	PULL STATION
FPS-37050130	10-3-1-1	LL FLR	PULL STATION
FPS-37100141	10-7-1-1	LL FLR	PULL STATION
FPS-37100139	10-7-1-1	LL FLR	PULL STATION
FPS-37070136	10-5-1-1	LL FLR	PULL STATION
FPS-37060134	10-4-1-1	LL FLR	PULL STATION
FPS-37070141	10-5-1-1	LL FLR	PULL STATION
FPS-37060140	10-4-1-1	LL FLR	PULL STATION
FPS-37060142	10-4-1-1	LL FLR	PULL STATION
FPS-37060150	10-4-1-1	LL FLR	PULL STATION
FPS-37080135	10-4-1-1	LL FLR	PULL STATION
FPS-46120129	10-12-1-1	LL135	PULL STATION
FPS-46120138	10-12-1-1	LL117	PULL STATION
FPS-37100134	10-7-1-1	LL101	PULL STATION
FPS-38020131	10-7-1-1	LL115	PULL STATION
FPS-37100132	10-7-1-1	LL101	PULL STATION
FPS-46120132	10-12-1-1	LL100	PULL STATION
FPS-37100129	10-7-1-1	LL101	PULL STATION
FPS-37090130	10-8-1-1	LL211	PULL STATION
FPS-37090127	10-6-1-2	LL211	PULL STATION
FPS-37110127	10-6-1-2	LL245	PULL STATION
FPS-37110144	10-6-1-2	LL212	PULL STATION
FPS-38030133	10-8-1-2	LL250	PULL STATION
FPS-38030129	10-8-1-2	LL250	PULL STATION
FPS-38030135	10-8-1-2	LL250	PULL STATION
FPS-37090142	10-5-1-2	LL335	PULL STATION
FPS-37090148	10-6-1-1	LL309	PULL STATION
FPS-37090136	10-5-1-2	LL309	PULL STATION
FPS-37110139	10-6-1-2	LL372	PULL STATION
FPS-37090133	10-5-1-2	LL309	PULL STATION
FPS-38030144	10-8-1-2	LL276	PULL STATION
FPS-38030127	10-6-1-2	LL281	PULL STATION
FPS-38030150	10-8-1-2	LL275	PULL STATION
FPS-38030142	10-8-1-2	LL276	PULL STATION
FPS-38030154	10-8-1-2	LL274	PULL STATION
FPS-38030156	10-8-4-2	LL274	PULL STATION
FPS-38030148	10-8-1-2	LL275	PULL STATION
FPS-37030140	10-1-1-2	LL967	PULL STATION
FPS-46080129	10-2-1-2	LL896	PULL STATION
FPS-37030134	10-1-1-2	LL981	PULL STATION
FPS-37020143	10-1-1-1	LL985	PULL STATION
FPS-37070127	10-6-1-1	LL603	PULL STATION
FPS-37070133	10-6-1-1	LL603	PULL STATION
FPS-37090150	10-6-1-1	LL411	PULL STATION
FPS-37050132	10-3-1-1	LL551	PULL STATION
FPS-37090145	10-5-1-2	LL309	PULL STATION
FPS-37060159	10-4-1-1	LL650	PULL STATION
FPS-37080146	10-6-1-1	LL610	PULL STATION
FPS-37080144	10-6-1-1	LL605	PULL STATION
FPS-37040138	10-4-1-1	LL818	PULL STATION

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PULL STATION			
FPS-37040142	10-2-1-1	LL811	PULL STATION
FPS-37040140	10-2-1-1	LL816	PULL STATION
FPS-37040132	10-4-1-1	LL728	PULL STATION
FPS-46090127	10-1-1-1	LL728	PULL STATION
FPS-37060127	10-4-1-1	LL692	PULL STATION
FPS-46090136	10-3-1-1	LL725	PULL STATION
FPS-37070147	10-4-1-1	LL610	PULL STATION
FPS-37070149	10-4-1-1	LL660	PULL STATION
FPS-37060132	10-4-1-1	LL667	PULL STATION
FPS-37070153	10-4-1-1	LL660	PULL STATION
FPS-37060130	10-4-1-1	LL691	PULL STATION
FPS-37030129	10-3-1-2	LL712	PULL STATION

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<u>Equip ID #</u>	<u>Serial #</u>	<u>Location</u>	<u>Description</u>
PULL STATION GENERAL			
FPS-48050140	General Alarm	3000	PULL STATION GENERAL ALARM
FPS-9030132	General Alarm	PH-1	PULL STATION GENERAL ALARM
FPS-9030129	1-16-1-1	PH-1	PULL STATION GENERAL ALARM
FPS-9030130	General Alarm	PH-1	PULL STATION GENERAL ALARM
FPS-9040128	General Alarm	PH-2	PULL STATION GENERAL ALARM
FPS-9040126	General Alarm	PH-2	PULL STATION GENERAL ALARM
FPS-9050136	General Alarm	PH-R	PULL STATION GENERAL ALARM
FPS-9050132	General Alarm	PH-R	PULL STATION GENERAL ALARM
FPS-39030135	General Alarm	1ST FLR	PULL STATION GENERAL ALARM
FPS-39030137	General Alarm	1ST FLR	PULL STATION GENERAL ALARM
FPS-39050129	General Alarm	1ST FLR	PULL STATION GENERAL ALARM
FPS-39050134	General Alarm	1ST FLR	PULL STATION GENERAL ALARM
FPS-38050144	General Alarm	1ST FLR	PULL STATION GENERAL ALARM
FPS-38040149	General Alarm	1ST FLR	PULL STATION GENERAL ALARM
FPS-38050154	General Alarm	1ST FLR	PULL STATION GENERAL ALARM
FPS-39050126	General Alarm	1ST FLR	PULL STATION GENERAL ALARM
FPS-39100146	General Alarm	1ST FLR	PULL STATION GENERAL ALARM
FPS-39100152	General Alarm	1ST FLR	PULL STATION GENERAL ALARM
FPS-47050134	General Alarm	1ST FLR	PULL STATION GENERAL ALARM
FPS-39100131	General Alarm	1ST FLR	PULL STATION GENERAL ALARM
FPS-39090172	General Alarm	1ST FLR	PULL STATION GENERAL ALARM
FPS-39090170	General Alarm	1ST FLR	PULL STATION GENERAL ALARM
FPS-39090135	General Alarm	1ST FLR	PULL STATION GENERAL ALARM
FPS-39080136	General Alarm	1ST FLR	PULL STATION GENERAL ALARM
FPS-39090133	General Alarm	1ST FLR	PULL STATION GENERAL ALARM
FPS-39080145	General Alarm	1ST FLR	PULL STATION GENERAL ALARM
FPS-39090131	General Alarm	1ST FLR	PULL STATION GENERAL ALARM
FPS-38040153	General Alarm	1ST FLR	PULL STATION GENERAL ALARM
FPS-38050134	General Alarm	1ST FLR	PULL STATION GENERAL ALARM
FPS-39060137	General Alarm	1ST FLR	PULL STATION GENERAL ALARM
FPS-39060147	General Alarm	1ST FLR	PULL STATION GENERAL ALARM
FPS-39080143	General Alarm	1ST FLR	PULL STATION GENERAL ALARM
FPS-39100154	General Alarm	1ST FLR	PULL STATION GENERAL ALARM
FPS-47020133	General Alarm	1ST FLR	PULL STATION GENERAL ALARM
FPS-47050136	General Alarm	1ST FLR	PULL STATION GENERAL ALARM
FPS-39050138	General Alarm	1ST FLR	PULL STATION GENERAL ALARM
FPS-40060129	General Alarm	2ND FLR	PULL STATION GENERAL ALARM
FPS-40020137	General Alarm	2ND FLR	PULL STATION GENERAL ALARM
FPS-40100133	General Alarm	2ND FLR	PULL STATION GENERAL ALARM
FPS-40070144	General Alarm	2ND FLR	PULL STATION GENERAL ALARM
FPS-40090138	General Alarm	2ND FLR	PULL STATION GENERAL ALARM
FPS-43050134	General Alarm	2ND FLR	PULL STATION GENERAL ALARM
FPS-43050128	General Alarm	2ND FLR	PULL STATION GENERAL ALARM
FPS-40110132	General Alarm	2ND FLR	PULL STATION GENERAL ALARM
FPS-40020131	General Alarm	2ND FLR	PULL STATION GENERAL ALARM
FPS-40090131	General Alarm	2ND FLR	PULL STATION GENERAL ALARM
FPS-40050138	General Alarm	2ND FLR	PULL STATION GENERAL ALARM
FPS-40070140	General Alarm	2ND FLR	PULL STATION GENERAL ALARM
FPS-40070138	General Alarm	2ND FLR	PULL STATION GENERAL ALARM
FPS-40070131	General Alarm	2ND FLR	PULL STATION GENERAL ALARM
FPS-40070146	General Alarm	2ND FLR	PULL STATION GENERAL ALARM

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PULL STATION GENERAL			
FPS-40030139	General Alarm	2ND FLR	PULL STATION GENERAL ALARM
FPS-40030129	General Alarm	2ND FLR	PULL STATION GENERAL ALARM
FPS-48050136	General Alarm	3026	PULL STATION GENERAL ALARM
FPS-48050134	General Alarm	3025	PULL STATION GENERAL ALARM
FPS-42050133	General Alarm	3RD FLR	PULL STATION GENERAL ALARM
FPS-42040133	General Alarm	3RD FLR	PULL STATION GENERAL ALARM
FPS-42030126	General Alarm	3RD FLR	PULL STATION GENERAL ALARM
FPS-42030133	General Alarm	3RD FLR	PULL STATION GENERAL ALARM
FPS-48110132	General Alarm	3RD FLR	PULL STATION GENERAL ALARM
FPS-48110136	General Alarm	3RD FLR	PULL STATION GENERAL ALARM
FPS-48030131	General Alarm	3RD FLR	PULL STATION GENERAL ALARM
FPS-41030137	General Alarm	3RD FLR	PULL STATION GENERAL ALARM
FPS-42020143	General Alarm	3RD FLR	PULL STATION GENERAL ALARM
FPS-41050139	General Alarm	3RD FLR	PULL STATION GENERAL ALARM
FPS-41050176	General Alarm	3RD FLR	PULL STATION GENERAL ALARM
FPS-41030147	General Alarm	3RD FLR	PULL STATION GENERAL ALARM
FPS-41020133	General Alarm	3RD FLR	PULL STATION GENERAL ALARM
FPS-41040126	General Alarm	3RD FLR	PULL STATION GENERAL ALARM
FPS-48040128	General Alarm	3RD FLR	PULL STATION GENERAL ALARM
FPS-48040126	General Alarm	3RD FLR	PULL STATION GENERAL ALARM
FPS-48030138	General Alarm	3RD FLR	PULL STATION GENERAL ALARM
FPS-48040134	General Alarm	3RD FLR	PULL STATION GENERAL ALARM
FPS-48050131	General Alarm	3RD FLR	PULL STATION GENERAL ALARM
FPS-42080143	General Alarm	4TH FLR	PULL STATION GENERAL ALARM
FPS-42060129	General Alarm	4TH FLR	PULL STATION GENERAL ALARM
FPS-42100152	General Alarm	4TH FLR	PULL STATION GENERAL ALARM
FPS-42110144	General Alarm	4TH FLR	PULL STATION GENERAL ALARM
FPS-42110133	General Alarm	4TH FLR	PULL STATION GENERAL ALARM
FPS-42110154	General Alarm	4TH FLR	PULL STATION GENERAL ALARM
FPS-42100134	General Alarm	4TH FLR	PULL STATION GENERAL ALARM
FPS-42090127	General Alarm	4TH FLR	PULL STATION GENERAL ALARM
FPS-42100126	General Alarm	4TH FLR	PULL STATION GENERAL ALARM
FPS-43020133	General Alarm	4TH FLR	PULL STATION GENERAL ALARM
FPS-42100146	General Alarm	4TH FLR	PULL STATION GENERAL ALARM
FPS-42090142	General Alarm	4TH FLR	PULL STATION GENERAL ALARM
FPS-42100144	General Alarm	4TH FLR	PULL STATION GENERAL ALARM
FPS-42100156	General Alarm	4TH FLR	PULL STATION GENERAL ALARM
FPS-43020143	General Alarm	4TH FLR	PULL STATION GENERAL ALARM
FPS-43040137	General Alarm	4TH FLR	PULL STATION GENERAL ALARM
FPS-43030127	General Alarm	4TH FLR	PULL STATION GENERAL ALARM
FPS-42070143	General Alarm	4TH FLR	PULL STATION GENERAL ALARM
FPS-42070131	General Alarm	4TH FLR	PULL STATION GENERAL ALARM
FPS-43080130	General Alarm	5TH FLR	PULL STATION GENERAL ALARM
FPS-43080134	General Alarm	5TH FLR	PULL STATION GENERAL ALARM
FPS-48090128	General Alarm	5TH FLR	PULL STATION GENERAL ALARM
FPS-44020126	General Alarm	5TH FLR	PULL STATION GENERAL ALARM
FPS-44020157	General Alarm	5TH FLR	PULL STATION GENERAL ALARM
FPS-43080126	General Alarm	5TH FLR	PULL STATION GENERAL ALARM
FPS-48080130	General Alarm	5TH FLR	PULL STATION GENERAL ALARM
FPS-45070134	General Alarm	6TH FLR	PULL STATION GENERAL ALARM
FPS-45060134	General Alarm	6TH FLR	PULL STATION GENERAL ALARM

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PULL STATION GENERAL			
FPS-45080138	General Alarm	6TH FLR	PULL STATION GENERAL ALARM
FPS-45110137	General Alarm	7TH FLR	PULL STATION GENERAL ALARM
FPS-45100129	General Alarm	7TH FLR	PULL STATION GENERAL ALARM
FPS-45090126	General Alarm	7TH FLR	PULL STATION GENERAL ALARM
FPS-45090144	General Alarm	7TH FLR	PULL STATION GENERAL ALARM
FPS-46040136	General Alarm	8TH FLR	PULL STATION GENERAL ALARM
FPS-46040131	General Alarm	8TH FLR	PULL STATION GENERAL ALARM
FPS-46020144	General Alarm	8TH FLR	PULL STATION GENERAL ALARM
FPS-46020126	General Alarm	8TH FLR	PULL STATION GENERAL ALARM
FPS-46030129	General Alarm	8TH FLR	PULL STATION GENERAL ALARM
FPS-39090129	General Alarm	1110	PULL STATION GENERAL ALARM
FPS-39110136	General Alarm	1189	PULL STATION GENERAL ALARM
FPS-39100150	General Alarm	1175	PULL STATION GENERAL ALARM
FPS-39110134	General Alarm	1189	PULL STATION GENERAL ALARM
FPS-39100143	General Alarm	1161	PULL STATION GENERAL ALARM
FPS-39100137	General Alarm	1250	PULL STATION GENERAL ALARM
FPS-39110132	General Alarm	1237	PULL STATION GENERAL ALARM
FPS-39110129	General Alarm	1230	PULL STATION GENERAL ALARM
FPS-39110141	General Alarm	1211	PULL STATION GENERAL ALARM
FPS-39110127	General Alarm	1230	PULL STATION GENERAL ALARM
FPS-39110139	General Alarm	1189	PULL STATION GENERAL ALARM
FPS-39080167	General Alarm	1501	PULL STATION GENERAL ALARM
FPS-39080134	General Alarm	1533	PULL STATION GENERAL ALARM
FPS-39060144	General Alarm	1501	PULL STATION GENERAL ALARM
FPS-39080147	General Alarm	1475	PULL STATION GENERAL ALARM
FPS-39080172	General Alarm	1490	PULL STATION GENERAL ALARM
FPS-39080170	General Alarm	1490	PULL STATION GENERAL ALARM
FPS-47050127	General Alarm	1490	PULL STATION GENERAL ALARM
FPS-39080151	General Alarm	1467	PULL STATION GENERAL ALARM
FPS-39080158	General Alarm	1457	PULL STATION GENERAL ALARM
FPS-39080155	General Alarm	1457	PULL STATION GENERAL ALARM
FPS-39080153	General Alarm	1457	PULL STATION GENERAL ALARM
FPS-39080164	General Alarm	1452	PULL STATION GENERAL ALARM
FPS-39080180	General Alarm	1452	PULL STATION GENERAL ALARM
FPS-39070132	General Alarm	1395	PULL STATION GENERAL ALARM
FPS-39070130	General Alarm	1395	PULL STATION GENERAL ALARM
FPS-47050130	General Alarm	1376	PULL STATION GENERAL ALARM
FPS-39080128	General Alarm	1320	PULL STATION GENERAL ALARM
FPS-39080131	General Alarm	1311	PULL STATION GENERAL ALARM
FPS-39080133	General Alarm	1313	PULL STATION GENERAL ALARM
FPS-39100158	General Alarm	1310	PULL STATION GENERAL ALARM
FPS-39100126	General Alarm	1311	PULL STATION GENERAL ALARM
FPS-39080126	General Alarm	1311	PULL STATION GENERAL ALARM
FPS-39020133	General Alarm	1922	PULL STATION GENERAL ALARM
FPS-39020141	General Alarm	1902	PULL STATION GENERAL ALARM
FPS-47030140	General Alarm	1881	PULL STATION GENERAL ALARM
FPS-39020136	General Alarm	1902	PULL STATION GENERAL ALARM
FPS-39020139	General Alarm	1902	PULL STATION GENERAL ALARM
FPS-39020147	General Alarm	1922	PULL STATION GENERAL ALARM
FPS-39020145	General Alarm	1922	PULL STATION GENERAL ALARM
FPS-38040141	General Alarm	1842	PULL STATION GENERAL ALARM

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PULL STATION GENERAL			
FPS-38040133	General Alarm	1846	PULL STATION GENERAL ALARM
FPS-38050152	General Alarm	1841	PULL STATION GENERAL ALARM
FPS-47030131	General Alarm	1877	PULL STATION GENERAL ALARM
FPS-47030134	General Alarm	1881	PULL STATION GENERAL ALARM
FPS-38040131	General Alarm	1864	PULL STATION GENERAL ALARM
FPS-38040136	General Alarm	1855	PULL STATION GENERAL ALARM
FPS-47040128	General Alarm	1786	PULL STATION GENERAL ALARM
FPS-47020137	General Alarm	1821	PULL STATION GENERAL ALARM
FPS-47020142	General Alarm	1821	PULL STATION GENERAL ALARM
FPS-39040132	General Alarm	1824	PULL STATION GENERAL ALARM
FPS-38050148	General Alarm	1839	PULL STATION GENERAL ALARM
FPS-38040143	General Alarm	1841	PULL STATION GENERAL ALARM
FPS-39020126	General Alarm	1781	PULL STATION GENERAL ALARM
FPS-39020130	General Alarm	1748	PULL STATION GENERAL ALARM
FPS-38040156	General Alarm	1763	PULL STATION GENERAL ALARM
FPS-39030133	General Alarm	1751	PULL STATION GENERAL ALARM
FPS-39030127	General Alarm	1737	PULL STATION GENERAL ALARM
FPS-39030130	General Alarm	1730	PULL STATION GENERAL ALARM
FPS-47020126	General Alarm	1704	PULL STATION GENERAL ALARM
FPS-39060130	General Alarm	1683	PULL STATION GENERAL ALARM
FPS-38050141	General Alarm	1707	PULL STATION GENERAL ALARM
FPS-47020129	General Alarm	1704	PULL STATION GENERAL ALARM
FPS-38050126	General Alarm	1729	PULL STATION GENERAL ALARM
FPS-38050159	General Alarm	1724	PULL STATION GENERAL ALARM
FPS-39060128	General Alarm	1683	PULL STATION GENERAL ALARM
FPS-39070135	General Alarm	1680	PULL STATION GENERAL ALARM
FPS-39060126	General Alarm	1691	PULL STATION GENERAL ALARM
FPS-39040128	General Alarm	1691	PULL STATION GENERAL ALARM
FPS-39050146	General Alarm	1654	PULL STATION GENERAL ALARM
FPS-39050131	General Alarm	1650	PULL STATION GENERAL ALARM
FPS-39050144	General Alarm	1642	PULL STATION GENERAL ALARM
FPS-39030135	General Alarm	1ST FLR	PULL STATION GENERAL ALARM
FPS-39030137	General Alarm	1ST FLR	PULL STATION GENERAL ALARM
FPS-39050129	General Alarm	1ST FLR	PULL STATION GENERAL ALARM
FPS-39050134	General Alarm	1ST FLR	PULL STATION GENERAL ALARM
FPS-38050134	General Alarm	1ST FLR	PULL STATION GENERAL ALARM
FPS-39060137	General Alarm	1ST FLR	PULL STATION GENERAL ALARM
FPS-39060147	General Alarm	1ST FLR	PULL STATION GENERAL ALARM
FPS-38040153	General Alarm	1ST FLR	PULL STATION GENERAL ALARM
FPS-38050144	General Alarm	1ST FLR	PULL STATION GENERAL ALARM
FPS-38040149	General Alarm	1ST FLR	PULL STATION GENERAL ALARM
FPS-38050154	General Alarm	1ST FLR	PULL STATION GENERAL ALARM
FPS-39050126	General Alarm	1ST FLR	PULL STATION GENERAL ALARM
FPS-47050134	General Alarm	1ST FLR	PULL STATION GENERAL ALARM
FPS-39100131	General Alarm	1ST FLR	PULL STATION GENERAL ALARM
FPS-39090172	General Alarm	1ST FLR	PULL STATION GENERAL ALARM
FPS-39090170	General Alarm	1ST FLR	PULL STATION GENERAL ALARM
FPS-39090135	General Alarm	1ST FLR	PULL STATION GENERAL ALARM
FPS-39080143	General Alarm	1ST FLR	PULL STATION GENERAL ALARM
FPS-39080136	General Alarm	1ST FLR	PULL STATION GENERAL ALARM
FPS-39090133	General Alarm	1ST FLR	PULL STATION GENERAL ALARM

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PULL STATION GENERAL			
FPS-39080145	General Alarm	1ST FLR	PULL STATION GENERAL ALARM
FPS-39090131	General Alarm	1ST FLR	PULL STATION GENERAL ALARM
FPS-39100154	General Alarm	1ST FLR	PULL STATION GENERAL ALARM
FPS-47020133	General Alarm	1ST FLR	PULL STATION GENERAL ALARM
FPS-39100146	General Alarm	1ST FLR	PULL STATION GENERAL ALARM
FPS-39100152	General Alarm	1ST FLR	PULL STATION GENERAL ALARM
FPS-47050136	General Alarm	1ST FLR	PULL STATION GENERAL ALARM
FPS-39050138	General Alarm	1ST FLR	PULL STATION GENERAL ALARM
FPS-47040132	General Alarm	1986	PULL STATION GENERAL ALARM
FPS-47040134	General Alarm	1986	PULL STATION GENERAL ALARM
FPS-47040141	General Alarm	1989	PULL STATION GENERAL ALARM
FPS-48100128	General Alarm	2102	PULL STATION GENERAL ALARM
FPS-40110138	General Alarm	2133	PULL STATION GENERAL ALARM
FPS-40110134	General Alarm	2135	PULL STATION GENERAL ALARM
FPS-40070133	General Alarm	2367	PULL STATION GENERAL ALARM
FPS-40070135	General Alarm	2358	PULL STATION GENERAL ALARM
FPS-43050136	General Alarm	2245	PULL STATION GENERAL ALARM
FPS-43050126	General Alarm	2248	PULL STATION GENERAL ALARM
FPS-40070127	General Alarm	2371	PULL STATION GENERAL ALARM
FPS-40080131	General Alarm	2381	PULL STATION GENERAL ALARM
FPS-48100126	General Alarm	2171	PULL STATION GENERAL ALARM
FPS-40110127	General Alarm	2186	PULL STATION GENERAL ALARM
FPS-43050138	General Alarm	2211	PULL STATION GENERAL ALARM
FPS-40090142	General Alarm	2505	PULL STATION GENERAL ALARM
FPS-40050129	General Alarm	2505	PULL STATION GENERAL ALARM
FPS-40100145	General Alarm	2457	PULL STATION GENERAL ALARM
FPS-40050131	General Alarm	2505	PULL STATION GENERAL ALARM
FPS-40080129	General Alarm	2450	PULL STATION GENERAL ALARM
FPS-40100142	General Alarm	2457	PULL STATION GENERAL ALARM
FPS-40080126	General Alarm	2454	PULL STATION GENERAL ALARM
FPS-40100130	General Alarm	2430	PULL STATION GENERAL ALARM
FPS-40100140	General Alarm	2445	PULL STATION GENERAL ALARM
FPS-40100126	General Alarm	2411	PULL STATION GENERAL ALARM
FPS-40100128	General Alarm	2413	PULL STATION GENERAL ALARM
FPS-40090150	General Alarm	2591	PULL STATION GENERAL ALARM
FPS-40090147	General Alarm	2591	PULL STATION GENERAL ALARM
FPS-40050127	General Alarm	2592	PULL STATION GENERAL ALARM
FPS-40050141	General Alarm	2598	PULL STATION GENERAL ALARM
FPS-40030144	General Alarm	2598	PULL STATION GENERAL ALARM
FPS-40030147	General Alarm	2598	PULL STATION GENERAL ALARM
FPS-40090133	General Alarm	2555	PULL STATION GENERAL ALARM
FPS-40090135	General Alarm	2550	PULL STATION GENERAL ALARM
FPS-40050145	General Alarm	2549	PULL STATION GENERAL ALARM
FPS-40050136	General Alarm	2577	PULL STATION GENERAL ALARM
FPS-40030136	General Alarm	2751	PULL STATION GENERAL ALARM
FPS-40030126	General Alarm	2739	PULL STATION GENERAL ALARM
FPS-40020134	General Alarm	2804	PULL STATION GENERAL ALARM
FPS-40020137	General Alarm	2ND FLR	PULL STATION GENERAL ALARM
FPS-40020128	General Alarm	2877	PULL STATION GENERAL ALARM
FPS-40070148	General Alarm	2642	PULL STATION GENERAL ALARM
FPS-40040144	General Alarm	2630	PULL STATION GENERAL ALARM

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PULL STATION GENERAL			
FPS-40090145	General Alarm	2601	PULL STATION GENERAL ALARM
FPS-40080135	General Alarm	2600	PULL STATION GENERAL ALARM
FPS-40040134	General Alarm	2726	PULL STATION GENERAL ALARM
FPS-40040131	General Alarm	2719	PULL STATION GENERAL ALARM
FPS-40040138	General Alarm	2731	PULL STATION GENERAL ALARM
FPS-40040136	General Alarm	2731	PULL STATION GENERAL ALARM
FPS-40040128	General Alarm	2719	PULL STATION GENERAL ALARM
FPS-40040126	General Alarm	2702	PULL STATION GENERAL ALARM
FPS-40030129	General Alarm	2ND FLR	PULL STATION GENERAL ALARM
FPS-40050138	General Alarm	2ND FLR	PULL STATION GENERAL ALARM
FPS-40090131	General Alarm	2ND FLR	PULL STATION GENERAL ALARM
FPS-40070144	General Alarm	2ND FLR	PULL STATION GENERAL ALARM
FPS-40090138	General Alarm	2ND FLR	PULL STATION GENERAL ALARM
FPS-43050128	General Alarm	2ND FLR	PULL STATION GENERAL ALARM
FPS-40020131	General Alarm	2ND FLR	PULL STATION GENERAL ALARM
FPS-40060129	General Alarm	2ND FLR	PULL STATION GENERAL ALARM
FPS-43050134	General Alarm	2ND FLR	PULL STATION GENERAL ALARM
FPS-40100133	General Alarm	2ND FLR	PULL STATION GENERAL ALARM
FPS-40110132	General Alarm	2ND FLR	PULL STATION GENERAL ALARM
FPS-40070140	General Alarm	2ND FLR	PULL STATION GENERAL ALARM
FPS-40070131	General Alarm	2ND FLR	PULL STATION GENERAL ALARM
FPS-40030139	General Alarm	2ND FLR	PULL STATION GENERAL ALARM
FPS-40070138	General Alarm	2ND FLR	PULL STATION GENERAL ALARM
FPS-40070146	General Alarm	2ND FLR	PULL STATION GENERAL ALARM
FPS-48050140	General Alarm	3000	PULL STATION GENERAL ALARM
FPS-48050136	General Alarm	3026	PULL STATION GENERAL ALARM
FPS-42040127	General Alarm	3059	PULL STATION GENERAL ALARM
FPS-48050134	General Alarm	3025	PULL STATION GENERAL ALARM
FPS-48110126	General Alarm	3010	PULL STATION GENERAL ALARM
FPS-48050126	General Alarm	3010	PULL STATION GENERAL ALARM
FPS-48050143	General Alarm	3010	PULL STATION GENERAL ALARM
FPS-41040138	General Alarm	3552	PULL STATION GENERAL ALARM
FPS-41040136	General Alarm	3552	PULL STATION GENERAL ALARM
FPS-41040131	General Alarm	3522	PULL STATION GENERAL ALARM
FPS-41040129	General Alarm	3524	PULL STATION GENERAL ALARM
FPS-41050168	General Alarm	3510	PULL STATION GENERAL ALARM
FPS-41050164	General Alarm	3510	PULL STATION GENERAL ALARM
FPS-41050162	General Alarm	3510	PULL STATION GENERAL ALARM
FPS-42020149	General Alarm	3452	PULL STATION GENERAL ALARM
FPS-42020151	General Alarm	3453	PULL STATION GENERAL ALARM
FPS-48110134	General Alarm	3336	PULL STATION GENERAL ALARM
FPS-41050171	General Alarm	3411	PULL STATION GENERAL ALARM
FPS-41050174	General Alarm	3411	PULL STATION GENERAL ALARM
FPS-48110129	General Alarm	3310	PULL STATION GENERAL ALARM
FPS-42040137	General Alarm	3110	PULL STATION GENERAL ALARM
FPS-48050128	General Alarm	3102	PULL STATION GENERAL ALARM
FPS-42050129	General Alarm	3218	PULL STATION GENERAL ALARM
FPS-41050142	General Alarm	3633	PULL STATION GENERAL ALARM
FPS-41050137	General Alarm	3653	PULL STATION GENERAL ALARM
FPS-41050152	General Alarm	3676	PULL STATION GENERAL ALARM
FPS-41050150	General Alarm	3676	PULL STATION GENERAL ALARM

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PULL STATION GENERAL			
FPS-41050146	General Alarm	3625	PULL STATION GENERAL ALARM
FPS-48040130	General Alarm	3625	PULL STATION GENERAL ALARM
FPS-48040139	General Alarm	3602	PULL STATION GENERAL ALARM
FPS-48030135	General Alarm	3582	PULL STATION GENERAL ALARM
FPS-48030133	General Alarm	3582	PULL STATION GENERAL ALARM
FPS-48030142	General Alarm	3560	PULL STATION GENERAL ALARM
FPS-48020126	General Alarm	3704	PULL STATION GENERAL ALARM
FPS-41030145	General Alarm	3780	PULL STATION GENERAL ALARM
FPS-41030131	General Alarm	3800	PULL STATION GENERAL ALARM
FPS-41030141	General Alarm	3800	PULL STATION GENERAL ALARM
FPS-41050183	Supervisory	3647	PULL STATION GENERAL ALARM
FPS-41050154	General Alarm	3676	PULL STATION GENERAL ALARM
FPS-41050133	General Alarm	3684	PULL STATION GENERAL ALARM
FPS-41050126	General Alarm	3702	PULL STATION GENERAL ALARM
FPS-41020127	General Alarm	3700	PULL STATION GENERAL ALARM
FPS-41050176	General Alarm	3RD FLR	PULL STATION GENERAL ALARM
FPS-42020143	General Alarm	3RD FLR	PULL STATION GENERAL ALARM
FPS-41050139	General Alarm	3RD FLR	PULL STATION GENERAL ALARM
FPS-42030126	General Alarm	3RD FLR	PULL STATION GENERAL ALARM
FPS-42030133	General Alarm	3RD FLR	PULL STATION GENERAL ALARM
FPS-42040133	General Alarm	3RD FLR	PULL STATION GENERAL ALARM
FPS-48110132	General Alarm	3RD FLR	PULL STATION GENERAL ALARM
FPS-48110136	General Alarm	3RD FLR	PULL STATION GENERAL ALARM
FPS-42050133	General Alarm	3RD FLR	PULL STATION GENERAL ALARM
FPS-48030131	General Alarm	3RD FLR	PULL STATION GENERAL ALARM
FPS-41030127	General Alarm	3904	PULL STATION GENERAL ALARM
FPS-41030147	General Alarm	3RD FLR	PULL STATION GENERAL ALARM
FPS-41020133	General Alarm	3RD FLR	PULL STATION GENERAL ALARM
FPS-41040126	General Alarm	3RD FLR	PULL STATION GENERAL ALARM
FPS-41030137	General Alarm	3RD FLR	PULL STATION GENERAL ALARM
FPS-48040128	General Alarm	3RD FLR	PULL STATION GENERAL ALARM
FPS-48040126	General Alarm	3RD FLR	PULL STATION GENERAL ALARM
FPS-48030138	General Alarm	3RD FLR	PULL STATION GENERAL ALARM
FPS-48040134	General Alarm	3RD FLR	PULL STATION GENERAL ALARM
FPS-48050131	General Alarm	3RD FLR	PULL STATION GENERAL ALARM
FPS-42100134	General Alarm	4TH FLR	PULL STATION GENERAL ALARM
FPS-42090127	General Alarm	4TH FLR	PULL STATION GENERAL ALARM
FPS-42100126	General Alarm	4TH FLR	PULL STATION GENERAL ALARM
FPS-43020133	General Alarm	4TH FLR	PULL STATION GENERAL ALARM
FPS-42100146	General Alarm	4TH FLR	PULL STATION GENERAL ALARM
FPS-42090142	General Alarm	4TH FLR	PULL STATION GENERAL ALARM
FPS-42100144	General Alarm	4TH FLR	PULL STATION GENERAL ALARM
FPS-42100156	General Alarm	4TH FLR	PULL STATION GENERAL ALARM
FPS-42110144	General Alarm	4TH FLR	PULL STATION GENERAL ALARM
FPS-42110133	General Alarm	4TH FLR	PULL STATION GENERAL ALARM
FPS-42100152	General Alarm	4TH FLR	PULL STATION GENERAL ALARM
FPS-42110154	General Alarm	4TH FLR	PULL STATION GENERAL ALARM
FPS-42080143	General Alarm	4TH FLR	PULL STATION GENERAL ALARM
FPS-42060129	General Alarm	4TH FLR	PULL STATION GENERAL ALARM
FPS-43030127	General Alarm	4TH FLR	PULL STATION GENERAL ALARM
FPS-43020143	General Alarm	4TH FLR	PULL STATION GENERAL ALARM

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PULL STATION GENERAL			
FPS-43040137	General Alarm	4TH FLR	PULL STATION GENERAL ALARM
FPS-42070143	General Alarm	4TH FLR	PULL STATION GENERAL ALARM
FPS-42070131	General Alarm	4TH FLR	PULL STATION GENERAL ALARM
FPS-42070135	General Alarm	4980	PULL STATION GENERAL ALARM
FPS-42070128	General Alarm	4916	PULL STATION GENERAL ALARM
FPS-42070139	General Alarm	4816	PULL STATION GENERAL ALARM
FPS-42070126	General Alarm	4983	PULL STATION GENERAL ALARM
FPS-43040149	General Alarm	4082	PULL STATION GENERAL ALARM
FPS-48070126	General Alarm	4055	PULL STATION GENERAL ALARM
FPS-48070133	General Alarm	4055	PULL STATION GENERAL ALARM
FPS-43030131	General Alarm	4016	PULL STATION GENERAL ALARM
FPS-43040143	General Alarm	4220	PULL STATION GENERAL ALARM
FPS-42100136	General Alarm	4321	PULL STATION GENERAL ALARM
FPS-42100138	General Alarm	4306	PULL STATION GENERAL ALARM
FPS-48070131	General Alarm	4110	PULL STATION GENERAL ALARM
FPS-43040127	General Alarm	4116	PULL STATION GENERAL ALARM
FPS-42110152	General Alarm	4411	PULL STATION GENERAL ALARM
FPS-42110136	General Alarm	4417	PULL STATION GENERAL ALARM
FPS-43020149	General Alarm	4430	PULL STATION GENERAL ALARM
FPS-43020146	General Alarm	4441	PULL STATION GENERAL ALARM
FPS-43020139	General Alarm	4393	PULL STATION GENERAL ALARM
FPS-42110148	General Alarm	4402	PULL STATION GENERAL ALARM
FPS-42100128	General Alarm	4395	PULL STATION GENERAL ALARM
FPS-42080126	General Alarm	4519	PULL STATION GENERAL ALARM
FPS-42080153	General Alarm	4503	PULL STATION GENERAL ALARM
FPS-42110141	General Alarm	4475	PULL STATION GENERAL ALARM
FPS-43020135	General Alarm	4487	PULL STATION GENERAL ALARM
FPS-42080134	General Alarm	4572	PULL STATION GENERAL ALARM
FPS-42110157	General Alarm	4600	PULL STATION GENERAL ALARM
FPS-42090146	General Alarm	4600	PULL STATION GENERAL ALARM
FPS-42080147	General Alarm	4566	PULL STATION GENERAL ALARM
FPS-42080150	General Alarm	4560	PULL STATION GENERAL ALARM
FPS-48060129	General Alarm	4754	PULL STATION GENERAL ALARM
FPS-42060127	General Alarm	4723	PULL STATION GENERAL ALARM
FPS-42090132	General Alarm	4754	PULL STATION GENERAL ALARM
FPS-42090144	General Alarm	4623	PULL STATION GENERAL ALARM
FPS-42090140	General Alarm	4625	PULL STATION GENERAL ALARM
FPS-42100149	General Alarm	4609	PULL STATION GENERAL ALARM
FPS-42090138	General Alarm	4633	PULL STATION GENERAL ALARM
FPS-45020126	General Alarm	5-4W	PULL STATION GENERAL ALARM
FPS-44030126	General Alarm	5150	PULL STATION GENERAL ALARM
FPS-44040162	General Alarm	5250	PULL STATION GENERAL ALARM
FPS-44040160	General Alarm	5250	PULL STATION GENERAL ALARM
FPS-44030135	General Alarm	5150	PULL STATION GENERAL ALARM
FPS-44040148	General Alarm	5250	PULL STATION GENERAL ALARM
FPS-44040133	General Alarm	5250	PULL STATION GENERAL ALARM
FPS-44040126	General Alarm	5250	PULL STATION GENERAL ALARM
FPS-45040126	General Alarm	5-4E	PULL STATION GENERAL ALARM
FPS-45030139	General Alarm	5-4W	PULL STATION GENERAL ALARM
FPS-45040135	General Alarm	5-4E	PULL STATION GENERAL ALARM
FPS-45050126	General Alarm	5-4E	PULL STATION GENERAL ALARM

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PULL STATION GENERAL			
FPS-45020131	General Alarm	5-4W	PULL STATION GENERAL ALARM
FPS-45030126	General Alarm	5-4W	PULL STATION GENERAL ALARM
FPS-48090128	General Alarm	5TH FLR	PULL STATION GENERAL ALARM
FPS-43080134	General Alarm	5TH FLR	PULL STATION GENERAL ALARM
FPS-43080130	General Alarm	5TH FLR	PULL STATION GENERAL ALARM
FPS-43080126	General Alarm	5TH FLR	PULL STATION GENERAL ALARM
FPS-43070150	General Alarm	5850	PULL STATION GENERAL ALARM
FPS-44020126	General Alarm	5TH FLR	PULL STATION GENERAL ALARM
FPS-44020157	General Alarm	5TH FLR	PULL STATION GENERAL ALARM
FPS-48080130	General Alarm	5TH FLR	PULL STATION GENERAL ALARM
FPS-43070128	General Alarm	5850	PULL STATION GENERAL ALARM
FPS-43070126	General Alarm	5850	PULL STATION GENERAL ALARM
FPS-43070138	General Alarm	5850	PULL STATION GENERAL ALARM
FPS-43090131	General Alarm	5570	PULL STATION GENERAL ALARM
FPS-43090155	General Alarm	5550	PULL STATION GENERAL ALARM
FPS-43090143	General Alarm	5550	PULL STATION GENERAL ALARM
FPS-43060136	General Alarm	5750	PULL STATION GENERAL ALARM
FPS-43090129	General Alarm	5570	PULL STATION GENERAL ALARM
FPS-43080132	General Alarm	5680	PULL STATION GENERAL ALARM
FPS-43100132	General Alarm	5520	PULL STATION GENERAL ALARM
FPS-43100135	General Alarm	5520	PULL STATION GENERAL ALARM
FPS-43100130	General Alarm	5520	PULL STATION GENERAL ALARM
FPS-43110126	General Alarm	5455	PULL STATION GENERAL ALARM
FPS-48080127	General Alarm	5425	PULL STATION GENERAL ALARM
FPS-44020150	General Alarm	5450	PULL STATION GENERAL ALARM
FPS-48090126	General Alarm	5325	PULL STATION GENERAL ALARM
FPS-48090133	General Alarm	5324	PULL STATION GENERAL ALARM
FPS-45060126	General Alarm	6301	PULL STATION GENERAL ALARM
FPS-45080140	General Alarm	6427	PULL STATION GENERAL ALARM
FPS-45080136	General Alarm	6406	PULL STATION GENERAL ALARM
FPS-45060149	General Alarm	6400	PULL STATION GENERAL ALARM
FPS-45080132	General Alarm	6400	PULL STATION GENERAL ALARM
FPS-45070129	General Alarm	6317	PULL STATION GENERAL ALARM
FPS-45070131	General Alarm	6302	PULL STATION GENERAL ALARM
FPS-45070134	General Alarm	6TH FLR	PULL STATION GENERAL ALARM
FPS-45060134	General Alarm	6TH FLR	PULL STATION GENERAL ALARM
FPS-45080138	General Alarm	6TH FLR	PULL STATION GENERAL ALARM
FPS-45060130	General Alarm	6562	PULL STATION GENERAL ALARM
FPS-45060140	General Alarm	6547	PULL STATION GENERAL ALARM
FPS-45070127	General Alarm	6337	PULL STATION GENERAL ALARM
FPS-45060136	General Alarm	6517	PULL STATION GENERAL ALARM
FPS-45100126	General Alarm	7302	PULL STATION GENERAL ALARM
FPS-45090147	General Alarm	7301	PULL STATION GENERAL ALARM
FPS-45100131	General Alarm	7317	PULL STATION GENERAL ALARM
FPS-45100133	General Alarm	7347	PULL STATION GENERAL ALARM
FPS-45110139	General Alarm	7406	PULL STATION GENERAL ALARM
FPS-45110135	General Alarm	7417	PULL STATION GENERAL ALARM
FPS-45110127	General Alarm	7400	PULL STATION GENERAL ALARM
FPS-45090130	General Alarm	7517	PULL STATION GENERAL ALARM
FPS-45090132	General Alarm	7547	PULL STATION GENERAL ALARM
FPS-45090140	General Alarm	7562	PULL STATION GENERAL ALARM

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PULL STATION GENERAL			
FPS-45110137	General Alarm	7TH FLR	PULL STATION GENERAL ALARM
FPS-45100129	General Alarm	7TH FLR	PULL STATION GENERAL ALARM
FPS-45090126	General Alarm	7TH FLR	PULL STATION GENERAL ALARM
FPS-45090144	General Alarm	7TH FLR	PULL STATION GENERAL ALARM
FPS-46030133	General Alarm	8347	PULL STATION GENERAL ALARM
FPS-46030131	General Alarm	8317	PULL STATION GENERAL ALARM
FPS-46020146	General Alarm	8301	PULL STATION GENERAL ALARM
FPS-46030126	General Alarm	8302	PULL STATION GENERAL ALARM
FPS-46020133	8-3-1-1	8547	PULL STATION GENERAL ALARM
FPS-46020130	General Alarm	8517	PULL STATION GENERAL ALARM
FPS-46040138	General Alarm	8417	PULL STATION GENERAL ALARM
FPS-46040134	General Alarm	8406	PULL STATION GENERAL ALARM
FPS-46030129	General Alarm	8TH FLR	PULL STATION GENERAL ALARM
FPS-46020144	General Alarm	8TH FLR	PULL STATION GENERAL ALARM
FPS-46040131	General Alarm	8TH FLR	PULL STATION GENERAL ALARM
FPS-46020140	General Alarm	8563	PULL STATION GENERAL ALARM
FPS-46020126	General Alarm	8TH FLR	PULL STATION GENERAL ALARM
FPS-46040136	General Alarm	8TH FLR	PULL STATION GENERAL ALARM
FPS-46060163	General Alarm	9400	PULL STATION GENERAL ALARM
FPS-46060161	General Alarm	9400	PULL STATION GENERAL ALARM
FPS-46060168	General Alarm	9400	PULL STATION GENERAL ALARM
FPS-46060143	General Alarm	9414	PULL STATION GENERAL ALARM
FPS-46060151	General Alarm	9414	PULL STATION GENERAL ALARM
FPS-46060149	General Alarm	9414	PULL STATION GENERAL ALARM
FPS-46060126	General Alarm	9512	PULL STATION GENERAL ALARM
FPS-46110132	General Alarm	LL FLR	PULL STATION GENERAL ALARM
FPS-46070132	General Alarm	LL FLR	PULL STATION GENERAL ALARM
FPS-46070130	General Alarm	LL FLR	PULL STATION GENERAL ALARM
FPS-46070135	General Alarm	LL FLR	PULL STATION GENERAL ALARM
FPS-37070140	General Alarm	LL FLR	PULL STATION GENERAL ALARM
FPS-37050129	General Alarm	LL FLR	PULL STATION GENERAL ALARM
FPS-37050137	General Alarm	LL FLR	PULL STATION GENERAL ALARM
FPS-46090130	General Alarm	LL FLR	PULL STATION GENERAL ALARM
FPS-46080134	General Alarm	LL FLR	PULL STATION GENERAL ALARM
FPS-46100127	General Alarm	LL FLR	PULL STATION GENERAL ALARM
FPS-37040143	General Alarm	LL FLR	PULL STATION GENERAL ALARM
FPS-38020134	General Alarm	LL FLR	PULL STATION GENERAL ALARM
FPS-37020126	General Alarm	LL FLR	PULL STATION GENERAL ALARM
FPS-37040128	General Alarm	LL FLR	PULL STATION GENERAL ALARM
FPS-37020134	General Alarm	LL FLR	PULL STATION GENERAL ALARM
FPS-38020138	General Alarm	LL FLR	PULL STATION GENERAL ALARM
FPS-38020136	General Alarm	LL FLR	PULL STATION GENERAL ALARM
FPS-37110135	General Alarm	LL FLR	PULL STATION GENERAL ALARM
FPS-37110131	General Alarm	LL FLR	PULL STATION GENERAL ALARM
FPS-37100140	General Alarm	LL FLR	PULL STATION GENERAL ALARM
FPS-38030149	General Alarm	LL275	PULL STATION GENERAL ALARM
FPS-38030147	General Alarm	LL275	PULL STATION GENERAL ALARM
FPS-38030143	General Alarm	LL276	PULL STATION GENERAL ALARM
FPS-38030141	General Alarm	LL276	PULL STATION GENERAL ALARM
FPS-38030126	General Alarm	LL281	PULL STATION GENERAL ALARM
FPS-37090132	General Alarm	LL309	PULL STATION GENERAL ALARM

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PULL STATION GENERAL			
FPS-37090135	General Alarm	LL309	PULL STATION GENERAL ALARM
FPS-37110138	General Alarm	LL372	PULL STATION GENERAL ALARM
FPS-37090144	General Alarm	LL309	PULL STATION GENERAL ALARM
FPS-37090147	General Alarm	LL309	PULL STATION GENERAL ALARM
FPS-37090141	General Alarm	LL335	PULL STATION GENERAL ALARM
FPS-38030134	General Alarm	LL250	PULL STATION GENERAL ALARM
FPS-37110126	General Alarm	LL245	PULL STATION GENERAL ALARM
FPS-38030128	General Alarm	LL250	PULL STATION GENERAL ALARM
FPS-38030132	General Alarm	LL250	PULL STATION GENERAL ALARM
FPS-38030153	General Alarm	LL274	PULL STATION GENERAL ALARM
FPS-37090126	General Alarm	LL211	PULL STATION GENERAL ALARM
FPS-37090129	General Alarm	LL211	PULL STATION GENERAL ALARM
FPS-37110143	General Alarm	LL212	PULL STATION GENERAL ALARM
FPS-37100128	General Alarm	LL101	PULL STATION GENERAL ALARM
FPS-37100133	General Alarm	LL101	PULL STATION GENERAL ALARM
FPS-37100131	General Alarm	LL101	PULL STATION GENERAL ALARM
FPS-38020130	General Alarm	LL115	PULL STATION GENERAL ALARM
FPS-46120137	General Alarm	LL117	PULL STATION GENERAL ALARM
FPS-46120128	General Alarm	LL135	PULL STATION GENERAL ALARM
FPS-46120131	General Alarm	LL100	PULL STATION GENERAL ALARM
FPS-37060139	General Alarm	LL FLR	PULL STATION GENERAL ALARM
FPS-37060149	General Alarm	LL FLR	PULL STATION GENERAL ALARM
FPS-37080134	General Alarm	LL FLR	PULL STATION GENERAL ALARM
FPS-37060141	General Alarm	LL FLR	PULL STATION GENERAL ALARM
FPS-37060133	General Alarm	LL FLR	PULL STATION GENERAL ALARM
FPS-37070135	General Alarm	LL FLR	PULL STATION GENERAL ALARM
FPS-37100138	General Alarm	LL FLR	PULL STATION GENERAL ALARM
FPS-37020142	General Alarm	LL985	PULL STATION GENERAL ALARM
FPS-37030133	General Alarm	LL981	PULL STATION GENERAL ALARM
FPS-46080128	General Alarm	LL896	PULL STATION GENERAL ALARM
FPS-37030139	General Alarm	LL967	PULL STATION GENERAL ALARM
FPS-46090135	General Alarm	LL725	PULL STATION GENERAL ALARM
FPS-37060126	General Alarm	LL692	PULL STATION GENERAL ALARM
FPS-37030128	General Alarm	LL712	PULL STATION GENERAL ALARM
FPS-37060129	General Alarm	LL691	PULL STATION GENERAL ALARM
FPS-37070152	General Alarm	LL660	PULL STATION GENERAL ALARM
FPS-37060131	General Alarm	LL667	PULL STATION GENERAL ALARM
FPS-37070148	General Alarm	LL660	PULL STATION GENERAL ALARM
FPS-46090126	General Alarm	LL728	PULL STATION GENERAL ALARM
FPS-37040131	General Alarm	LL728	PULL STATION GENERAL ALARM
FPS-37040141	General Alarm	LL811	PULL STATION GENERAL ALARM
FPS-37040139	General Alarm	LL816	PULL STATION GENERAL ALARM
FPS-37040137	General Alarm	LL818	PULL STATION GENERAL ALARM
FPS-37070146	General Alarm	LL610	PULL STATION GENERAL ALARM
FPS-37080143	General Alarm	LL605	PULL STATION GENERAL ALARM
FPS-37080145	General Alarm	LL610	PULL STATION GENERAL ALARM
FPS-37060158	General Alarm	LL650	PULL STATION GENERAL ALARM
FPS-37090149	General Alarm	LL411	PULL STATION GENERAL ALARM
FPS-37050131	General Alarm	LL551	PULL STATION GENERAL ALARM
FPS-37070132	General Alarm	LL603	PULL STATION GENERAL ALARM
FPS-37070126	General Alarm	LL603	PULL STATION GENERAL ALARM

John H. Stroger Jr. Hospital of Cook County
Fire Devices Asset Inventory
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<u>Equip ID #</u>	<u>Serial #</u>	<u>Location</u>	<u>Description</u>
PULL STATION-Removed			
FPS-41050182	3-3-5-1	3647	PULL STATION-Removed 3/17/10
RECALL FLOOR RELAY			
FPS-46060139	Relay	9TH FLR	RECALL FLOOR RELAY
FPS-46060139	Relay	9TH FLR	RECALL FLOOR RELAY
RESET RELAY			
FPS-46060137	Relay	9TH FLR	RESET RELAY
FPS-46060137	Relay	9TH FLR	RESET RELAY
RISER WATER FLOW			
FPS-9020126	10-16-2-1	LLPH MEZ	RISER WATER FLOW SWITCH
FPS-37030137	10-1-2-2	LLS STAIR19	RISER WATER FLOW SWITCH
FPS-46080130	10-2-3-1	LLS STAIR20	RISER WATER FLOW SWITCH
FPS-39110147	10-8-2-1	LL FLR	RISER WATER FLOW SWITCH
FPS-38030163	10-7-5-1	LL FLR	RISER WATER FLOW SWITCH
FPS-39080178	10-6-2-3	LL-FPS39080178	RISER WATER FLOW SWITCH
FPS-37080138	10-6-2-2	LL-FPS37080139	RISER WATER FLOW SWITCH
FPS-37080148	10-6-2-1	LL STAIR16 MEZZ	RISER WATER FLOW SWITCH
FPS-37060135	10-4-2-1	LL STAIR18 OUT	RISER WATER FLOW SWITCH
FPS-38030161	10-8-5-2	LL227	RISER WATER FLOW SWITCH

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<u>Equip ID #</u>	<u>Serial #</u>	<u>Location</u>	<u>Description</u>
SMOKE DETECTOR			
FPS-48050008	3-7-1-1	3027	SMOKE DETECTOR
FPS-48050009	3-7-1-1	3027	SMOKE DETECTOR
FPS-48050010	3-7-1-1	3027	SMOKE DETECTOR
FPS-9030030	1-16-1-1	1P1013	SMOKE DETECTOR
FPS-9030027	1-16-1-1	1P1001	SMOKE DETECTOR
FPS-9030028	1-16-1-1	1P1001	SMOKE DETECTOR
FPS-9030001	1-16-1-1	1P1002	SMOKE DETECTOR
FPS-9030002	1-16-1-1	1P1002	SMOKE DETECTOR
FPS-9030003	1-16-1-1	1P1002	SMOKE DETECTOR
FPS-9030004	1-16-1-1	1P1002	SMOKE DETECTOR
FPS-9030005	1-16-1-1	1P1002	SMOKE DETECTOR
FPS-9030006	1-16-1-1	1P1002	SMOKE DETECTOR
FPS-9030025	1-16-1-1	1P1002	SMOKE DETECTOR
FPS-9030026	1-16-1-1	1P1002	SMOKE DETECTOR
FPS-9030019	1-16-1-1	1P1002	SMOKE DETECTOR
FPS-9030020	1-16-1-1	1P1002	SMOKE DETECTOR
FPS-9030021	1-16-1-1	1P1002	SMOKE DETECTOR
FPS-9030022	1-16-1-1	1P1002	SMOKE DETECTOR
FPS-9030023	1-16-1-1	1P1002	SMOKE DETECTOR
FPS-9030024	1-16-1-1	1P1002	SMOKE DETECTOR
FPS-9030013	1-16-1-1	1P1002	SMOKE DETECTOR
FPS-9030014	1-16-1-1	1P1002	SMOKE DETECTOR
FPS-9030015	1-16-1-1	1P1002	SMOKE DETECTOR
FPS-9030016	1-16-1-1	1P1002	SMOKE DETECTOR
FPS-9030017	1-16-1-1	1P1002	SMOKE DETECTOR
FPS-9030018	1-16-1-1	1P1002	SMOKE DETECTOR
FPS-9030007	1-16-1-1	1P1002	SMOKE DETECTOR
FPS-9030008	1-16-1-1	1P1002	SMOKE DETECTOR
FPS-9030009	1-16-1-1	1P1002	SMOKE DETECTOR
FPS-9030010	1-16-1-1	1P1002	SMOKE DETECTOR
FPS-9030011	1-16-1-1	1P1002	SMOKE DETECTOR
FPS-9030012	1-16-1-1	1P1002	SMOKE DETECTOR
FPS-9030029	1-16-1-1	1P1003	SMOKE DETECTOR
FPS-9030031	1-16-1-1	PH-1	SMOKE DETECTOR
FPS-9040028	2-16-1-1	PH-2	SMOKE DETECTOR
FPS-9040024	2-16-1-1	2P1011	SMOKE DETECTOR
FPS-9040002	2-16-1-1	2P1001	SMOKE DETECTOR
FPS-9040003	2-16-1-1	2P1002	SMOKE DETECTOR
FPS-9040004	2-16-1-1	2P1002	SMOKE DETECTOR
FPS-9040005	2-16-1-1	2P1002	SMOKE DETECTOR
FPS-9040006	2-16-1-1	2P1002	SMOKE DETECTOR
FPS-9040007	2-16-1-1	2P1002	SMOKE DETECTOR
FPS-9040008	2-16-1-1	2P1002	SMOKE DETECTOR
FPS-9040021	2-16-1-1	2P1002	SMOKE DETECTOR
FPS-9040022	2-16-1-1	2P1002	SMOKE DETECTOR
FPS-9040023	2-16-1-1	2P1002	SMOKE DETECTOR
FPS-9040001	2-16-1-1	2P1002	SMOKE DETECTOR
FPS-9040025	2-16-1-1	2P1002	SMOKE DETECTOR
FPS-9040015	2-16-1-1	2P1002	SMOKE DETECTOR
FPS-9040016	2-16-1-1	2P1002	SMOKE DETECTOR
FPS-9040017	2-16-1-1	2P1002	SMOKE DETECTOR

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<u>Equip ID #</u>	<u>Serial #</u>	<u>Location</u>	<u>Description</u>
SMOKE DETECTOR			
FPS-9040018	2-16-1-1	2P1002	SMOKE DETECTOR
FPS-9040019	2-16-1-1	2P1002	SMOKE DETECTOR
FPS-9040020	2-16-1-1	2P1002	SMOKE DETECTOR
FPS-9040009	2-16-1-1	2P1002	SMOKE DETECTOR
FPS-9040010	2-16-1-1	2P1002	SMOKE DETECTOR
FPS-9040011	2-16-1-1	2P1002	SMOKE DETECTOR
FPS-9040012	2-16-1-1	2P1002	SMOKE DETECTOR
FPS-9040013	2-16-1-1	2P1002	SMOKE DETECTOR
FPS-9040014	2-16-1-1	2P1002	SMOKE DETECTOR
FPS-9050006	3-16-1-1	3P2001	SMOKE DETECTOR
FPS-9050007	3-16-1-1	3P2001	SMOKE DETECTOR
FPS-9050008	3-16-1-1	3P2001	SMOKE DETECTOR
FPS-9050009	3-16-1-1	3P2001	SMOKE DETECTOR
FPS-9050010	3-16-1-1	3P2001	SMOKE DETECTOR
FPS-9050011	3-16-1-1	3P2001	SMOKE DETECTOR
FPS-9050012	3-16-1-1	3P2001	SMOKE DETECTOR
FPS-9050013	3-16-1-1	3P2001	SMOKE DETECTOR
FPS-9050014	3-16-1-1	3P2001	SMOKE DETECTOR
FPS-9050015	3-16-1-1	3P2001	SMOKE DETECTOR
FPS-9050016	3-16-1-1	3P2002	SMOKE DETECTOR
FPS-9050001	3-16-1-1	3P2011	SMOKE DETECTOR
FPS-9050005	3-16-1-1	PH-3	SMOKE DETECTOR
FPS-9020001	10-16-1-1	PH-LL	SMOKE DETECTOR
FPS-9020002	10-16-1-1	PH-LL	SMOKE DETECTOR
FPS-9020003	10-16-1-1	PH-LL	SMOKE DETECTOR
FPS-9020004	10-16-1-1	PH-LL	SMOKE DETECTOR
FPS-9020005	10-16-1-1	PH-LL	SMOKE DETECTOR
FPS-9020006	10-16-1-1	PH-LL	SMOKE DETECTOR
FPS-9020007	10-16-1-1	PH-LL	SMOKE DETECTOR
FPS-9020008	10-16-1-1	PH-LL	SMOKE DETECTOR
FPS-9020009	10-16-1-1	PH-LL	SMOKE DETECTOR
FPS-9020010	10-16-1-1	PH-LL	SMOKE DETECTOR
FPS-9020011	10-16-1-1	PH-LL	SMOKE DETECTOR
FPS-9020012	10-16-1-1	PH-LL	SMOKE DETECTOR
FPS-39060022	1-5-1-2	1ST FLR	SMOKE DETECTOR
FPS-39050008	1-4-1-1	1ST FLR	SMOKE DETECTOR
FPS-39050001	1-4-1-1	1ST FLR	SMOKE DETECTOR
FPS-39050002	1-4-1-1	1ST FLR	SMOKE DETECTOR
FPS-39030005	1-2-1-3	1ST FLR	SMOKE DETECTOR
FPS-39050009	1-4-1-1	1ST FLR	SMOKE DETECTOR
FPS-39050010	1-4-1-1	1ST FLR	SMOKE DETECTOR
FPS-39080012	1-6-1-1	1ST FLR	SMOKE DETECTOR
FPS-39080013	1-6-1-1	1ST FLR	SMOKE DETECTOR
FPS-39080014	1-6-1-1	1ST FLR	SMOKE DETECTOR
FPS-39080008	1-6-1-1	1ST FLR	SMOKE DETECTOR
FPS-39080009	1-6-1-1	1ST FLR	SMOKE DETECTOR
FPS-39080010	1-6-1-1	1ST FLR	SMOKE DETECTOR
FPS-39080011	1-6-1-1	1ST FLR	SMOKE DETECTOR
FPS-38050006	1-2-1-3	1ST FLR	SMOKE DETECTOR
FPS-38050008	1-2-1-3	1ST FLR	SMOKE DETECTOR
FPS-38050009	1-2-1-3	1ST FLR	SMOKE DETECTOR

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SMOKE DETECTOR			
FPS-39050003	1-4-1-1	1ST FLR	SMOKE DETECTOR
FPS-39050004	1-4-1-1	1ST FLR	SMOKE DETECTOR
FPS-38050001	1-4-1-2	1ST FLR	SMOKE DETECTOR
FPS-38050002	1-4-1-2	1ST FLR	SMOKE DETECTOR
FPS-38050003	1-4-1-2	1ST FLR	SMOKE DETECTOR
FPS-39090009	1-7-1-1	1ST FLR	SMOKE DETECTOR
FPS-39100022	1-6-1-1	1ST FLR	SMOKE DETECTOR
FPS-39100001	1-6-1-1	1ST FLR	SMOKE DETECTOR
FPS-39100027	1-6-1-1	1ST FLR	SMOKE DETECTOR
FPS-39100033	1-6-1-1	1ST FLR	SMOKE DETECTOR
FPS-39100011	1-6-1-1	1ST FLR	SMOKE DETECTOR
FPS-39090001	1-7-1-1	1ST FLR	SMOKE DETECTOR
FPS-39100007	1-6-1-1	1ST FLR	SMOKE DETECTOR
FPS-39100008	1-6-1-1	1ST FLR	SMOKE DETECTOR
FPS-39060015	1-6-1-2	1ST FLR	SMOKE DETECTOR
FPS-39060016	1-6-1-2	1ST FLR	SMOKE DETECTOR
FPS-39060017	1-6-1-2	1ST FLR	SMOKE DETECTOR
FPS-47020018	1-4-1-1	1ST FLR	SMOKE DETECTOR
FPS-47040017	1-4-1-1	1ST FLR	SMOKE DETECTOR
FPS-47050010	1-3-1-1	1ST FLR	SMOKE DETECTOR
FPS-40060007	2-3-1-1	2ND FLR	SMOKE DETECTOR
FPS-48100009	2-6-1-1	2ND FLR	SMOKE DETECTOR
FPS-40070010	2-5-1-1	2ND FLR	SMOKE DETECTOR
FPS-40090022	2-4-1-2	2ND FLR	SMOKE DETECTOR
FPS-40110006	2-7-1-1	2ND FLR	SMOKE DETECTOR
FPS-40030012	2-1-1-1	2ND FLR	SMOKE DETECTOR
FPS-43050008	2-8-1-2	2ND FLR	SMOKE DETECTOR
FPS-40080006	2-6-1-1	2ND FLR	SMOKE DETECTOR
FPS-40080009	2-6-1-1	2ND FLR	SMOKE DETECTOR
FPS-40100001	2-6-1-3	2ND FLR	SMOKE DETECTOR
FPS-40100002	2-6-1-3	2ND FLR	SMOKE DETECTOR
FPS-40090021	2-6-1-2	2ND FLR	SMOKE DETECTOR
FPS-40070017	2-3-1-1	2ND FLR	SMOKE DETECTOR
FPS-40070011	2-5-1-1	2ND FLR	SMOKE DETECTOR
FPS-40070012	2-5-1-1	2ND FLR	SMOKE DETECTOR
FPS-40070013	2-5-1-1	2ND FLR	SMOKE DETECTOR
FPS-40070014	2-3-1-1	2ND FLR	SMOKE DETECTOR
FPS-40070015	2-3-1-1	2ND FLR	SMOKE DETECTOR
FPS-40070016	2-3-1-1	2ND FLR	SMOKE DETECTOR
FPS-40030016	2-4-1-1	2ND FLR	SMOKE DETECTOR
FPS-40040009	2-1-1-1	2ND FLR	SMOKE DETECTOR
FPS-40040010	2-1-1-1	2ND FLR	SMOKE DETECTOR
FPS-40040011	2-1-1-1	2ND FLR	SMOKE DETECTOR
FPS-40040012	2-1-1-1	2ND FLR	SMOKE DETECTOR
FPS-40040002	2-4-1-1	2ND FLR	SMOKE DETECTOR
FPS-42040001	3-8-1-1	3RD FLR	SMOKE DETECTOR
FPS-42040002	3-8-1-1	3RD FLR	SMOKE DETECTOR
FPS-42040003	3-8-1-1	3RD FLR	SMOKE DETECTOR
FPS-48040010	3-5-1-2	3RD FLR	SMOKE DETECTOR
FPS-48040011	3-5-1-2	3RD FLR	SMOKE DETECTOR
FPS-48040012	3-5-1-2	3RD FLR	SMOKE DETECTOR

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<u>Equip ID #</u>	<u>Serial #</u>	<u>Location</u>	<u>Description</u>
SMOKE DETECTOR			
FPS-48030009	3-4-1-2	3RD FLR	SMOKE DETECTOR
FPS-48040004	3-5-1-2	3RD FLR	SMOKE DETECTOR
FPS-48050013	3-7-1-1	3RD FLR	SMOKE DETECTOR
FPS-48050017	3-7-1-1	3RD FLR	SMOKE DETECTOR
FPS-48050018	3-7-1-1	3RD FLR	SMOKE DETECTOR
FPS-48110008	3-5-1-1	3RD FLR	SMOKE DETECTOR
FPS-48110001	3-7-1-1	3RD FLR	SMOKE DETECTOR
FPS-48110002	3-6-1-1	3RD FLR	SMOKE DETECTOR
FPS-41030012	3-2-1-1	3RD FLR	SMOKE DETECTOR
FPS-41050043	3-5-1-1	3RD FLR	SMOKE DETECTOR
FPS-41050032	3-5-1-1	3RD FLR	SMOKE DETECTOR
FPS-41050033	3-5-1-1	3RD FLR	SMOKE DETECTOR
FPS-41050034	3-5-1-1	3RD FLR	SMOKE DETECTOR
FPS-42030001	3-6-1-2	3RD FLR	SMOKE DETECTOR
FPS-42030002	3-6-1-2	3RD FLR	SMOKE DETECTOR
FPS-42020012	3-6-1-1	3RD FLR	SMOKE DETECTOR
FPS-42020013	3-4-1-1	3RD FLR	SMOKE DETECTOR
FPS-42020020	3-6-1-1	3RD FLR	SMOKE DETECTOR
FPS-42020026	3-6-1-1	3RD FLR	SMOKE DETECTOR
FPS-42020028	3-6-1-1	3RD FLR	SMOKE DETECTOR
FPS-41050036	3-5-1-1	3RD FLR	SMOKE DETECTOR
FPS-41050002	3-1-1-1	3RD FLR	SMOKE DETECTOR
FPS-41050003	3-4-1-1	3RD FLR	SMOKE DETECTOR
FPS-41050042	3-5-1-1	3RD FLR	SMOKE DETECTOR
FPS-41040002	3-4-1-1	3RD FLR	SMOKE DETECTOR
FPS-41040003	3-4-1-1	3RD FLR	SMOKE DETECTOR
FPS-41040001	3-4-1-1	3RD FLR	SMOKE DETECTOR
FPS-41030018	3-1-1-1	3RD FLR	SMOKE DETECTOR
FPS-41030019	3-1-1-1	3RD FLR	SMOKE DETECTOR
FPS-41030001	3-4-1-1	3RD FLR	SMOKE DETECTOR
FPS-41030002	3-1-1-1	3RD FLR	SMOKE DETECTOR
FPS-41030003	3-1-1-1	3RD FLR	SMOKE DETECTOR
FPS-41030004	3-1-1-1	3RD FLR	SMOKE DETECTOR
FPS-48030007	3-4-1-2	3RD FLR	SMOKE DETECTOR
FPS-48030008	3-4-1-2	3RD FLR	SMOKE DETECTOR
FPS-43040021	4-8-1-1	4TH FLR	SMOKE DETECTOR
FPS-43040022	4-8-1-1	4TH FLR	SMOKE DETECTOR
FPS-43040023	4-8-1-1	4TH FLR	SMOKE DETECTOR
FPS-43020018	4-6-1-2	4TH FLR	SMOKE DETECTOR
FPS-43020009	4-6-1-2	4TH FLR	SMOKE DETECTOR
FPS-43020010	4-6-1-2	4TH FLR	SMOKE DETECTOR
FPS-42100007	4-5-1-1	4TH FLR	SMOKE DETECTOR
FPS-42100008	4-5-1-1	4TH FLR	SMOKE DETECTOR
FPS-42110007	4-5-1-1	4TH FLR	SMOKE DETECTOR
FPS-42110022	4-3-1-1	4TH FLR	SMOKE DETECTOR
FPS-42110023	4-3-1-1	4TH FLR	SMOKE DETECTOR
FPS-42110008	4-5-1-1	4TH FLR	SMOKE DETECTOR
FPS-42110009	4-5-1-1	4TH FLR	SMOKE DETECTOR
FPS-42110010	4-5-1-1	4TH FLR	SMOKE DETECTOR
FPS-42100026	4-5-1-1	4TH FLR	SMOKE DETECTOR
FPS-42100016	4-3-1-1	4TH FLR	SMOKE DETECTOR

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<u>Equip ID #</u>	<u>Serial #</u>	<u>Location</u>	<u>Description</u>
SMOKE DETECTOR			
FPS-42100025	4-5-1-1	4TH FLR	SMOKE DETECTOR
FPS-42090001	4-4-1-1	4TH FLR	SMOKE DETECTOR
FPS-42090002	4-2-1-1	4TH FLR	SMOKE DETECTOR
FPS-42070014	4-1-1-1	4TH FLR	SMOKE DETECTOR
FPS-42070015	4-1-1-1	4TH FLR	SMOKE DETECTOR
FPS-42110021	4-3-1-1	4TH FLR	SMOKE DETECTOR
FPS-42090003	4-4-1-1	4TH FLR	SMOKE DETECTOR
FPS-42090004	4-4-1-1	4TH FLR	SMOKE DETECTOR
FPS-42090005	4-4-1-1	4TH FLR	SMOKE DETECTOR
FPS-42060010	4-1-1-1	4TH FLR	SMOKE DETECTOR
FPS-43020004	4-6-1-2	4TH FLR	SMOKE DETECTOR
FPS-48080002	5-5-1-2	5TH FLR	SMOKE DETECTOR
FPS-48080007	5-3-1-1	5TH FLR	SMOKE DETECTOR
FPS-45070001	6-6-1-1	6TH FLR	SMOKE DETECTOR
FPS-45070002	6-5-1-1	6TH FLR	SMOKE DETECTOR
FPS-45070003	6-6-1-1	6TH FLR	SMOKE DETECTOR
FPS-45070004	6-6-1-1	6TH FLR	SMOKE DETECTOR
FPS-45060005	6-3-1-1	6TH FLR	SMOKE DETECTOR
FPS-45080006	6-3-1-1	6TH FLR	SMOKE DETECTOR
FPS-45080005	6-6-1-1	6TH FLR	SMOKE DETECTOR
FPS-45110006	7-3-1-1	7TH FLR	SMOKE DETECTOR
FPS-45110007	7-6-1-1	7TH FLR	SMOKE DETECTOR
FPS-45090013	7-3-1-1	7TH FLR	SMOKE DETECTOR
FPS-45090014	7-3-1-1	7TH FLR	SMOKE DETECTOR
FPS-45090015	7-3-1-1	7TH FLR	SMOKE DETECTOR
FPS-45090016	7-3-1-1	7TH FLR	SMOKE DETECTOR
FPS-45100005	7-6-1-1	7TH FLR	SMOKE DETECTOR
FPS-45100006	7-6-1-1	7TH FLR	SMOKE DETECTOR
FPS-45100007	7-5-1-1	7TH FLR	SMOKE DETECTOR
FPS-45100008	7-6-1-1	7TH FLR	SMOKE DETECTOR
FPS-46020014	8-3-1-1	8TH FLR	SMOKE DETECTOR
FPS-46020015	8-3-1-1	8TH FLR	SMOKE DETECTOR
FPS-46020016	8-3-1-1	8TH FLR	SMOKE DETECTOR
FPS-46030013	8-6-1-1	8TH FLR	SMOKE DETECTOR
FPS-46030014	8-6-1-1	8TH FLR	SMOKE DETECTOR
FPS-46030015	8-5-1-1	8TH FLR	SMOKE DETECTOR
FPS-46030016	8-6-1-1	8TH FLR	SMOKE DETECTOR
FPS-46040004	8-6-1-1	8TH FLR	SMOKE DETECTOR
FPS-46020013	8-3-1-1	8TH FLR	SMOKE DETECTOR
FPS-39090002	1-7-1-1	1122	SMOKE DETECTOR
FPS-39090003	1-7-1-1	1122	SMOKE DETECTOR
FPS-39090004	1-7-1-1	1130	SMOKE DETECTOR
FPS-39090005	1-7-1-1	1139	SMOKE DETECTOR
FPS-39110011	1-8-1-2	1211	SMOKE DETECTOR
FPS-39110012	1-8-1-2	1211	SMOKE DETECTOR
FPS-39110013	1-8-1-2	1211	SMOKE DETECTOR
FPS-39090006	1-7-1-1	1220	SMOKE DETECTOR
FPS-39090007	1-7-1-1	1225	SMOKE DETECTOR
FPS-39090008	1-7-1-1	1225	SMOKE DETECTOR
FPS-39110003	1-8-1-2	1230	SMOKE DETECTOR
FPS-39110004	1-8-1-2	1230	SMOKE DETECTOR

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<u>Equip ID #</u>	<u>Serial #</u>	<u>Location</u>	<u>Description</u>
SMOKE DETECTOR			
FPS-39110005	1-8-1-2	1230	SMOKE DETECTOR
FPS-39110006	1-8-1-2	1230	SMOKE DETECTOR
FPS-39110007	1-8-1-2	1230	SMOKE DETECTOR
FPS-39110008	1-8-1-2	1230	SMOKE DETECTOR
FPS-39100032	1-6-1-1	1310	SMOKE DETECTOR
FPS-39110001	1-6-1-1	1272	SMOKE DETECTOR
FPS-39110002	1-6-1-1	1272	SMOKE DETECTOR
FPS-39090012	1-7-1-1	1280	SMOKE DETECTOR
FPS-39090010	1-7-1-1	1290	SMOKE DETECTOR
FPS-39090011	1-7-1-1	1290	SMOKE DETECTOR
FPS-39110009	1-8-1-2	1189	SMOKE DETECTOR
FPS-39110010	1-8-1-2	1189	SMOKE DETECTOR
FPS-39100004	1-8-1-1	1162	SMOKE DETECTOR
FPS-39100005	1-8-1-1	1162	SMOKE DETECTOR
FPS-39100006	1-8-1-1	1162	SMOKE DETECTOR
FPS-39100020	1-8-1-1	1172	SMOKE DETECTOR
FPS-39100017	1-8-1-1	1150	SMOKE DETECTOR
FPS-39100018	1-8-1-1	1150	SMOKE DETECTOR
FPS-39100028	1-8-1-1	1151	SMOKE DETECTOR
FPS-39100029	1-8-1-1	1151	SMOKE DETECTOR
FPS-39100016	1-8-1-1	1151	SMOKE DETECTOR
FPS-39100014	1-8-1-1	1151	SMOKE DETECTOR
FPS-39080001	1-6-1-1	1311	SMOKE DETECTOR
FPS-39080002	1-6-1-1	1311	SMOKE DETECTOR
FPS-39080003	1-6-1-1	1311	SMOKE DETECTOR
FPS-39100002	1-6-1-1	1311	SMOKE DETECTOR
FPS-39100025	1-6-1-1	1311	SMOKE DETECTOR
FPS-39100023	1-6-1-1	1311	SMOKE DETECTOR
FPS-39100026	1-6-1-1	1312	SMOKE DETECTOR
FPS-39080004	1-6-1-1	1315	SMOKE DETECTOR
FPS-47050003	1-5-1-2	1360	SMOKE DETECTOR
FPS-47050007	1-5-1-2	1370	SMOKE DETECTOR
FPS-47050008	1-5-1-2	1370	SMOKE DETECTOR
FPS-47050009	1-5-1-2	1370	SMOKE DETECTOR
FPS-47050005	1-5-1-2	1376	SMOKE DETECTOR
FPS-47050006	1-5-1-2	1376	SMOKE DETECTOR
FPS-39080006	1-6-1-1	1315	SMOKE DETECTOR
FPS-47050004	1-5-1-2	1321	SMOKE DETECTOR
FPS-39080007	1-6-1-1	1413	SMOKE DETECTOR
FPS-39080030	1-6-1-1	1453	SMOKE DETECTOR
FPS-39080026	1-6-1-1	1453	SMOKE DETECTOR
FPS-39080027	1-6-1-1	1453	SMOKE DETECTOR
FPS-39080028	1-6-1-1	1453	SMOKE DETECTOR
FPS-39080022	1-6-1-1	1457	SMOKE DETECTOR
FPS-39080023	1-6-1-1	1457	SMOKE DETECTOR
FPS-39080024	1-6-1-1	1457	SMOKE DETECTOR
FPS-39080025	1-6-1-1	1457	SMOKE DETECTOR
FPS-39080015	1-6-1-1	1470	SMOKE DETECTOR
FPS-39080017	1-6-1-1	1475	SMOKE DETECTOR
FPS-39080018	1-6-1-1	1475	SMOKE DETECTOR
FPS-39080019	1-6-1-1	1475	SMOKE DETECTOR

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SMOKE DETECTOR			
FPS-39080021	1-6-1-1	1475	SMOKE DETECTOR
FPS-39080016	1-6-1-1	1476	SMOKE DETECTOR
FPS-47050001	1-5-1-2	1490	SMOKE DETECTOR
FPS-47050002	1-5-1-2	1490	SMOKE DETECTOR
FPS-39060018	1-6-1-2	1530	SMOKE DETECTOR
FPS-39060010	1-4-1-2	1543	SMOKE DETECTOR
FPS-39050013	1-4-1-1	1549	SMOKE DETECTOR
FPS-39060011	1-4-1-2	1549	SMOKE DETECTOR
FPS-39080034	1-5-1-2	1491	SMOKE DETECTOR
FPS-39080035	1-5-1-2	1491	SMOKE DETECTOR
FPS-39080036	1-5-1-2	1491	SMOKE DETECTOR
FPS-39080037	1-6-1-1	1491	SMOKE DETECTOR
FPS-39060025	1-5-1-2	1501	SMOKE DETECTOR
FPS-39060019	1-6-1-2	1501	SMOKE DETECTOR
FPS-39060020	1-6-1-2	1501	SMOKE DETECTOR
FPS-39060021	1-6-1-2	1501	SMOKE DETECTOR
FPS-39080032	1-6-1-1	1501	SMOKE DETECTOR
FPS-39080033	1-6-1-1	1501	SMOKE DETECTOR
FPS-39060023	1-5-1-2	1501	SMOKE DETECTOR
FPS-39060024	1-5-1-2	1501	SMOKE DETECTOR
FPS-39050015	1-4-1-1	1612	SMOKE DETECTOR
FPS-39060009	1-4-1-2	1612	SMOKE DETECTOR
FPS-39050014	1-4-1-1	1620	SMOKE DETECTOR
FPS-39060003	1-3-1-1	1680	SMOKE DETECTOR
FPS-39070003	1-3-1-1	1680	SMOKE DETECTOR
FPS-39070004	1-3-1-1	1680	SMOKE DETECTOR
FPS-39070005	1-3-1-1	1680	SMOKE DETECTOR
FPS-39070006	1-3-1-1	1680	SMOKE DETECTOR
FPS-39070007	1-3-1-1	1680	SMOKE DETECTOR
FPS-39070008	1-3-1-1	1680	SMOKE DETECTOR
FPS-39060006	1-3-1-1	1592	SMOKE DETECTOR
FPS-39060007	1-3-1-1	1592	SMOKE DETECTOR
FPS-39060004	1-3-1-1	1593	SMOKE DETECTOR
FPS-39060005	1-3-1-1	1593	SMOKE DETECTOR
FPS-39060014	1-4-1-2	1551	SMOKE DETECTOR
FPS-39060012	1-4-1-2	1552	SMOKE DETECTOR
FPS-39060013	1-4-1-2	1552	SMOKE DETECTOR
FPS-39050011	1-4-1-1	1552	SMOKE DETECTOR
FPS-39060008	1-4-1-2	1601	SMOKE DETECTOR
FPS-39050019	1-4-1-1	1605	SMOKE DETECTOR
FPS-39060001	1-3-1-1	1602	SMOKE DETECTOR
FPS-39060002	1-3-1-1	1602	SMOKE DETECTOR
FPS-39050016	1-4-1-1	1605	SMOKE DETECTOR
FPS-39050017	1-4-1-1	1605	SMOKE DETECTOR
FPS-47020019	1-4-1-1	1696	SMOKE DETECTOR
FPS-47020021	1-4-1-1	1697	SMOKE DETECTOR
FPS-39050005	1-4-1-1	1698	SMOKE DETECTOR
FPS-39050006	1-4-1-1	1698	SMOKE DETECTOR
FPS-39050007	1-4-1-1	1698	SMOKE DETECTOR
FPS-47020020	1-4-1-1	1698	SMOKE DETECTOR
FPS-47020024	1-3-1-1	1691	SMOKE DETECTOR

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SMOKE DETECTOR			
FPS-47020025	1-3-1-1	1691	SMOKE DETECTOR
FPS-47020026	1-3-1-1	1691	SMOKE DETECTOR
FPS-47020027	1-3-1-1	1691	SMOKE DETECTOR
FPS-39040005	1-3-1-1	1691	SMOKE DETECTOR
FPS-39040006	1-3-1-1	1691	SMOKE DETECTOR
FPS-39040007	1-3-1-1	1691	SMOKE DETECTOR
FPS-39040001	1-3-1-1	1691	SMOKE DETECTOR
FPS-39040002	1-3-1-1	1691	SMOKE DETECTOR
FPS-39040003	1-3-1-1	1691	SMOKE DETECTOR
FPS-39040004	1-3-1-1	1691	SMOKE DETECTOR
FPS-38050012	1-1-1-2	1709	SMOKE DETECTOR
FPS-38050013	1-1-1-2	1709	SMOKE DETECTOR
FPS-38050014	1-1-1-2	1709	SMOKE DETECTOR
FPS-38050015	1-1-1-2	1709	SMOKE DETECTOR
FPS-38050016	1-1-1-2	1709	SMOKE DETECTOR
FPS-38050023	1-1-1-2	1706	SMOKE DETECTOR
FPS-47020006	1-1-1-3	1706	SMOKE DETECTOR
FPS-47020007	1-1-1-3	1706	SMOKE DETECTOR
FPS-47020001	1-1-1-3	1704	SMOKE DETECTOR
FPS-47020002	1-1-1-3	1704	SMOKE DETECTOR
FPS-47020003	1-1-1-3	1704	SMOKE DETECTOR
FPS-47020004	1-1-1-3	1704	SMOKE DETECTOR
FPS-47020005	1-1-1-3	1704	SMOKE DETECTOR
FPS-39030001	1-2-1-1	1737	SMOKE DETECTOR
FPS-38050004	1-2-1-3	1729	SMOKE DETECTOR
FPS-39030003	1-2-1-3	1730	SMOKE DETECTOR
FPS-39020001	1-2-1-1	1748	SMOKE DETECTOR
FPS-39020002	1-2-1-1	1748	SMOKE DETECTOR
FPS-39020003	1-2-1-1	1748	SMOKE DETECTOR
FPS-38040002	1-1-1-3	1771	SMOKE DETECTOR
FPS-38040012	1-1-1-3	1758	SMOKE DETECTOR
FPS-38040013	1-1-1-3	1758	SMOKE DETECTOR
FPS-38040014	1-1-1-3	1758	SMOKE DETECTOR
FPS-38040011	1-1-1-3	1759	SMOKE DETECTOR
FPS-47040005	1-2-1-4	1786	SMOKE DETECTOR
FPS-47040006	1-2-1-4	1786	SMOKE DETECTOR
FPS-39020004	1-2-1-1	1783	SMOKE DETECTOR
FPS-39020005	1-2-1-1	1783	SMOKE DETECTOR
FPS-47040003	1-2-1-4	1786	SMOKE DETECTOR
FPS-47040001	1-2-1-4	1786	SMOKE DETECTOR
FPS-47020016	1-3-1-1	1820	SMOKE DETECTOR
FPS-47020017	1-3-1-1	1820	SMOKE DETECTOR
FPS-47020014	1-3-1-1	1820	SMOKE DETECTOR
FPS-47020010	1-3-1-1	1820	SMOKE DETECTOR
FPS-47020011	1-3-1-1	1820	SMOKE DETECTOR
FPS-47020012	1-3-1-1	1820	SMOKE DETECTOR
FPS-47030012	1-1-1-2	1771	SMOKE DETECTOR
FPS-47030015	1-1-1-2	1771	SMOKE DETECTOR
FPS-47030001	1-2-1-2	1780	SMOKE DETECTOR
FPS-47030005	1-2-1-2	1780	SMOKE DETECTOR
FPS-47030006	1-2-1-2	1780	SMOKE DETECTOR

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SMOKE DETECTOR			
FPS-38050020	1-1-1-2	1839	SMOKE DETECTOR
FPS-38050021	1-1-1-2	1839	SMOKE DETECTOR
FPS-38050018	1-1-1-2	1839	SMOKE DETECTOR
FPS-38050022	1-1-1-2	1832	SMOKE DETECTOR
FPS-47020008	1-1-1-3	1837	SMOKE DETECTOR
FPS-47020009	1-1-1-3	1837	SMOKE DETECTOR
FPS-47030008	1-2-1-2	1868	SMOKE DETECTOR
FPS-47030014	1-2-1-2	1868	SMOKE DETECTOR
FPS-38040001	1-2-1-3	1848	SMOKE DETECTOR
FPS-38040003	1-1-1-3	1848	SMOKE DETECTOR
FPS-38040004	1-1-1-3	1848	SMOKE DETECTOR
FPS-38040005	1-1-1-3	1851	SMOKE DETECTOR
FPS-38040006	1-1-1-3	1851	SMOKE DETECTOR
FPS-38040007	1-1-1-3	1851	SMOKE DETECTOR
FPS-38040008	1-1-1-3	1851	SMOKE DETECTOR
FPS-39020007	1-2-1-1	1924	SMOKE DETECTOR
FPS-39020008	1-2-1-1	1925	SMOKE DETECTOR
FPS-39020013	1-2-1-1	1925	SMOKE DETECTOR
FPS-39020006	1-2-1-1	1925	SMOKE DETECTOR
FPS-47040007	1-2-1-4	1952	SMOKE DETECTOR
FPS-47040008	1-2-1-4	1952	SMOKE DETECTOR
FPS-47040009	1-2-1-4	1952	SMOKE DETECTOR
FPS-47040010	1-2-1-4	1952	SMOKE DETECTOR
FPS-47040002	1-2-1-4	1952	SMOKE DETECTOR
FPS-39020012	1-2-1-1	1906	SMOKE DETECTOR
FPS-39020010	1-2-1-1	1906	SMOKE DETECTOR
FPS-39020011	1-2-1-1	1906	SMOKE DETECTOR
FPS-39020009	1-2-1-1	1916	SMOKE DETECTOR
FPS-47040013	1-2-1-4	1987	SMOKE DETECTOR
FPS-47040014	1-2-1-4	1987	SMOKE DETECTOR
FPS-47040012	1-2-1-4	1959	SMOKE DETECTOR
FPS-47040015	1-2-1-4	1982	SMOKE DETECTOR
FPS-47040016	1-2-1-4	1982	SMOKE DETECTOR
FPS-39060015	1-6-1-2	1ST FLR	SMOKE DETECTOR
FPS-39060016	1-6-1-2	1ST FLR	SMOKE DETECTOR
FPS-39060017	1-6-1-2	1ST FLR	SMOKE DETECTOR
FPS-39100011	1-6-1-1	1ST FLR	SMOKE DETECTOR
FPS-39090001	1-7-1-1	1ST FLR	SMOKE DETECTOR
FPS-39100007	1-6-1-1	1ST FLR	SMOKE DETECTOR
FPS-39100008	1-6-1-1	1ST FLR	SMOKE DETECTOR
FPS-47020018	1-4-1-1	1ST FLR	SMOKE DETECTOR
FPS-47040017	1-4-1-1	1ST FLR	SMOKE DETECTOR
FPS-47050010	1-3-1-1	1ST FLR	SMOKE DETECTOR
FPS-39090009	1-7-1-1	1ST FLR	SMOKE DETECTOR
FPS-39080012	1-6-1-1	1ST FLR	SMOKE DETECTOR
FPS-39080013	1-6-1-1	1ST FLR	SMOKE DETECTOR
FPS-39080014	1-6-1-1	1ST FLR	SMOKE DETECTOR
FPS-39100022	1-6-1-1	1ST FLR	SMOKE DETECTOR
FPS-39100001	1-6-1-1	1ST FLR	SMOKE DETECTOR
FPS-39100027	1-6-1-1	1ST FLR	SMOKE DETECTOR
FPS-39100033	1-6-1-1	1ST FLR	SMOKE DETECTOR

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<u>Equip ID #</u>	<u>Serial #</u>	<u>Location</u>	<u>Description</u>
SMOKE DETECTOR			
FPS-39050008	1-4-1-1	1ST FLR	SMOKE DETECTOR
FPS-39060022	1-5-1-2	1ST FLR	SMOKE DETECTOR
FPS-39030005	1-2-1-3	1ST FLR	SMOKE DETECTOR
FPS-39050009	1-4-1-1	1ST FLR	SMOKE DETECTOR
FPS-39050010	1-4-1-1	1ST FLR	SMOKE DETECTOR
FPS-39050001	1-4-1-1	1ST FLR	SMOKE DETECTOR
FPS-39050002	1-4-1-1	1ST FLR	SMOKE DETECTOR
FPS-39050003	1-4-1-1	1ST FLR	SMOKE DETECTOR
FPS-39050004	1-4-1-1	1ST FLR	SMOKE DETECTOR
FPS-38050001	1-4-1-2	1ST FLR	SMOKE DETECTOR
FPS-38050002	1-4-1-2	1ST FLR	SMOKE DETECTOR
FPS-38050003	1-4-1-2	1ST FLR	SMOKE DETECTOR
FPS-39080008	1-6-1-1	1ST FLR	SMOKE DETECTOR
FPS-39080009	1-6-1-1	1ST FLR	SMOKE DETECTOR
FPS-39080010	1-6-1-1	1ST FLR	SMOKE DETECTOR
FPS-39080011	1-6-1-1	1ST FLR	SMOKE DETECTOR
FPS-38050006	1-2-1-3	1ST FLR	SMOKE DETECTOR
FPS-38050008	1-2-1-3	1ST FLR	SMOKE DETECTOR
FPS-38050009	1-2-1-3	1ST FLR	SMOKE DETECTOR
FPS-48100007	2-7-1-1	2103	SMOKE DETECTOR
FPS-48100001	2-8-1-1	2104	SMOKE DETECTOR
FPS-48100006	2-7-1-1	2111	SMOKE DETECTOR
FPS-40110005	2-7-1-1	2150	SMOKE DETECTOR
FPS-48100008	2-8-1-1	2211	SMOKE DETECTOR
FPS-48100002	2-8-1-1	2211	SMOKE DETECTOR
FPS-48100003	2-8-1-1	2211	SMOKE DETECTOR
FPS-48100004	2-8-1-1	2211	SMOKE DETECTOR
FPS-48100005	2-8-1-1	2211	SMOKE DETECTOR
FPS-43050005	2-8-1-2	2246	SMOKE DETECTOR
FPS-43050003	2-8-1-2	2247	SMOKE DETECTOR
FPS-43050012	2-8-1-2	2248	SMOKE DETECTOR
FPS-43050002	2-8-1-2	2238	SMOKE DETECTOR
FPS-43050001	2-8-1-2	2250	SMOKE DETECTOR
FPS-43050004	2-8-1-2	2277	SMOKE DETECTOR
FPS-40040016	2-4-1-1	2282	SMOKE DETECTOR
FPS-40100016	2-6-1-3	2304	SMOKE DETECTOR
FPS-40080005	2-5-1-1	2381	SMOKE DETECTOR
FPS-40070008	2-5-1-1	2389	SMOKE DETECTOR
FPS-40070009	2-5-1-1	2389	SMOKE DETECTOR
FPS-40100003	2-6-1-3	2411	SMOKE DETECTOR
FPS-43050009	2-6-1-2	2411	SMOKE DETECTOR
FPS-43050010	2-6-1-2	2411	SMOKE DETECTOR
FPS-43050011	2-6-1-2	2411	SMOKE DETECTOR
FPS-40070001	2-5-1-1	2371	SMOKE DETECTOR
FPS-40070002	2-5-1-1	2371	SMOKE DETECTOR
FPS-40070003	2-5-1-1	2371	SMOKE DETECTOR
FPS-40070005	2-5-1-1	2367	SMOKE DETECTOR
FPS-40070006	2-5-1-1	2367	SMOKE DETECTOR
FPS-40040001	2-4-1-1	2702	SMOKE DETECTOR
FPS-40040007	2-2-1-1	2710	SMOKE DETECTOR
FPS-40040008	2-2-1-1	2726	SMOKE DETECTOR

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<u>Equip ID #</u>	<u>Serial #</u>	<u>Location</u>	<u>Description</u>
SMOKE DETECTOR			
FPS-40030003	2-1-1-1	2730	SMOKE DETECTOR
FPS-40040003	2-2-1-1	2720	SMOKE DETECTOR
FPS-40040004	2-2-1-1	2720	SMOKE DETECTOR
FPS-40040005	2-2-1-1	2720	SMOKE DETECTOR
FPS-40040006	2-2-1-1	2726	SMOKE DETECTOR
FPS-40070018	2-3-1-1	2611	SMOKE DETECTOR
FPS-40070019	2-3-1-1	2611	SMOKE DETECTOR
FPS-40060004	2-3-1-1	2620	SMOKE DETECTOR
FPS-40090015	2-4-1-2	2601	SMOKE DETECTOR
FPS-40060006	2-3-1-1	2620	SMOKE DETECTOR
FPS-40040013	2-1-1-1	2630	SMOKE DETECTOR
FPS-40040014	2-1-1-1	2630	SMOKE DETECTOR
FPS-40040015	2-1-1-1	2630	SMOKE DETECTOR
FPS-40060001	2-3-1-1	2632	SMOKE DETECTOR
FPS-40060002	2-3-1-1	2632	SMOKE DETECTOR
FPS-40070020	2-3-1-1	2642	SMOKE DETECTOR
FPS-40070021	2-3-1-1	2642	SMOKE DETECTOR
FPS-40070022	2-3-1-1	2642	SMOKE DETECTOR
FPS-40020001	2-2-1-1	2877	SMOKE DETECTOR
FPS-40020010	2-1-1-1	2877	SMOKE DETECTOR
FPS-40020012	2-1-1-1	2814	SMOKE DETECTOR
FPS-40020013	2-1-1-1	2814	SMOKE DETECTOR
FPS-40030005	2-1-1-1	2880	SMOKE DETECTOR
FPS-40020003	2-2-1-1	2877	SMOKE DETECTOR
FPS-40020004	2-2-1-1	2877	SMOKE DETECTOR
FPS-48100009	2-6-1-1	2ND FLR	SMOKE DETECTOR
FPS-40070010	2-5-1-1	2ND FLR	SMOKE DETECTOR
FPS-40060007	2-3-1-1	2ND FLR	SMOKE DETECTOR
FPS-40030031	2-1-1-1	2880	SMOKE DETECTOR
FPS-40020011	2-1-1-1	2806	SMOKE DETECTOR
FPS-40030006	2-1-1-1	2776	SMOKE DETECTOR
FPS-40030007	2-1-1-1	2776	SMOKE DETECTOR
FPS-40020008	2-2-1-1	2862	SMOKE DETECTOR
FPS-40020007	2-2-1-1	2864	SMOKE DETECTOR
FPS-40020005	2-2-1-1	2868	SMOKE DETECTOR
FPS-40020006	2-2-1-1	2868	SMOKE DETECTOR
FPS-40030019	2-1-1-1	2754	SMOKE DETECTOR
FPS-40030014	2-1-1-1	2766	SMOKE DETECTOR
FPS-40030015	2-1-1-1	2766	SMOKE DETECTOR
FPS-40030001	2-1-1-1	2739	SMOKE DETECTOR
FPS-40030009	2-1-1-1	2751	SMOKE DETECTOR
FPS-40030010	2-1-1-1	2751	SMOKE DETECTOR
FPS-40030011	2-1-1-1	2751	SMOKE DETECTOR
FPS-40050022	2-4-1-1	2582	SMOKE DETECTOR
FPS-40050023	2-4-1-1	2582	SMOKE DETECTOR
FPS-40050009	2-4-1-1	2577	SMOKE DETECTOR
FPS-40050010	2-4-1-1	2577	SMOKE DETECTOR
FPS-40050011	2-4-1-1	2577	SMOKE DETECTOR
FPS-40050024	2-4-1-1	2585	SMOKE DETECTOR
FPS-40050025	2-4-1-1	2587	SMOKE DETECTOR
FPS-40050004	2-4-1-1	2590	SMOKE DETECTOR

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<u>Equip ID #</u>	<u>Serial #</u>	<u>Location</u>	<u>Description</u>
SMOKE DETECTOR			
FPS-40050005	2-4-1-1	2591	SMOKE DETECTOR
FPS-40050001	2-4-1-1	2591	SMOKE DETECTOR
FPS-40050002	2-4-1-1	2591	SMOKE DETECTOR
FPS-40050003	2-4-1-1	2591	SMOKE DETECTOR
FPS-40050018	2-4-1-1	2549	SMOKE DETECTOR
FPS-40050019	2-4-1-1	2549	SMOKE DETECTOR
FPS-40050016	2-4-1-1	2549	SMOKE DETECTOR
FPS-40090010	2-4-1-2	2550	SMOKE DETECTOR
FPS-40090011	2-4-1-2	2550	SMOKE DETECTOR
FPS-40090008	2-4-1-2	2550	SMOKE DETECTOR
FPS-40090009	2-4-1-2	2555	SMOKE DETECTOR
FPS-40030018	2-4-1-1	2598	SMOKE DETECTOR
FPS-40030026	2-4-1-1	2598	SMOKE DETECTOR
FPS-40050015	2-4-1-1	2598	SMOKE DETECTOR
FPS-40080011	2-3-1-1	2600	SMOKE DETECTOR
FPS-40050006	2-4-1-1	2598	SMOKE DETECTOR
FPS-40050020	2-4-1-1	2598	SMOKE DETECTOR
FPS-40050021	2-4-1-1	2598	SMOKE DETECTOR
FPS-40050013	2-4-1-1	2598	SMOKE DETECTOR
FPS-40050014	2-4-1-1	2598	SMOKE DETECTOR
FPS-40090016	2-4-1-2	2591	SMOKE DETECTOR
FPS-40090017	2-4-1-2	2591	SMOKE DETECTOR
FPS-40090018	2-4-1-2	2591	SMOKE DETECTOR
FPS-40090020	2-4-1-2	2591	SMOKE DETECTOR
FPS-40100010	2-6-1-3	2429	SMOKE DETECTOR
FPS-40100011	2-6-1-3	2429	SMOKE DETECTOR
FPS-40100004	2-6-1-3	2430	SMOKE DETECTOR
FPS-40100005	2-6-1-3	2430	SMOKE DETECTOR
FPS-40100006	2-6-1-3	2430	SMOKE DETECTOR
FPS-40100014	2-6-1-3	2445	SMOKE DETECTOR
FPS-40100015	2-6-1-3	2445	SMOKE DETECTOR
FPS-40100026	2-6-1-3	2457	SMOKE DETECTOR
FPS-40100012	2-6-1-3	2452	SMOKE DETECTOR
FPS-40100013	2-6-1-3	2452	SMOKE DETECTOR
FPS-40080001	2-6-1-1	2454	SMOKE DETECTOR
FPS-40080002	2-6-1-1	2454	SMOKE DETECTOR
FPS-40080003	2-6-1-1	2454	SMOKE DETECTOR
FPS-40080004	2-6-1-1	2454	SMOKE DETECTOR
FPS-40090006	2-6-1-2	2512	SMOKE DETECTOR
FPS-40090004	2-6-1-2	2522	SMOKE DETECTOR
FPS-40090007	2-6-1-2	2522	SMOKE DETECTOR
FPS-40090137	Relay	2522	SMOKE DETECTOR
FPS-40100008	2-6-1-3	2525	SMOKE DETECTOR
FPS-40100007	2-6-1-3	2527	SMOKE DETECTOR
FPS-40100009	2-6-1-3	2531	SMOKE DETECTOR
FPS-40090005	2-6-1-2	2521	SMOKE DETECTOR
FPS-40100017	2-6-1-3	2457	SMOKE DETECTOR
FPS-40100018	2-6-1-3	2457	SMOKE DETECTOR
FPS-40100025	2-6-1-3	2457	SMOKE DETECTOR
FPS-40090001	2-6-1-2	2504	SMOKE DETECTOR
FPS-40090002	2-6-1-2	2504	SMOKE DETECTOR

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<u>Equip ID #</u>	<u>Serial #</u>	<u>Location</u>	<u>Description</u>
SMOKE DETECTOR			
FPS-40090012	2-4-1-2	2505	SMOKE DETECTOR
FPS-40090013	2-4-1-2	2505	SMOKE DETECTOR
FPS-40090014	2-4-1-2	2505	SMOKE DETECTOR
FPS-40040012	2-1-1-1	2ND FLR	SMOKE DETECTOR
FPS-40040002	2-4-1-1	2ND FLR	SMOKE DETECTOR
FPS-40040009	2-1-1-1	2ND FLR	SMOKE DETECTOR
FPS-40040010	2-1-1-1	2ND FLR	SMOKE DETECTOR
FPS-40040011	2-1-1-1	2ND FLR	SMOKE DETECTOR
FPS-40070017	2-3-1-1	2ND FLR	SMOKE DETECTOR
FPS-40030016	2-4-1-1	2ND FLR	SMOKE DETECTOR
FPS-40090022	2-4-1-2	2ND FLR	SMOKE DETECTOR
FPS-40110006	2-7-1-1	2ND FLR	SMOKE DETECTOR
FPS-43050008	2-8-1-2	2ND FLR	SMOKE DETECTOR
FPS-40030012	2-1-1-1	2ND FLR	SMOKE DETECTOR
FPS-40080006	2-6-1-1	2ND FLR	SMOKE DETECTOR
FPS-40080009	2-6-1-1	2ND FLR	SMOKE DETECTOR
FPS-40100001	2-6-1-3	2ND FLR	SMOKE DETECTOR
FPS-40100002	2-6-1-3	2ND FLR	SMOKE DETECTOR
FPS-40090021	2-6-1-2	2ND FLR	SMOKE DETECTOR
FPS-40070011	2-5-1-1	2ND FLR	SMOKE DETECTOR
FPS-40070012	2-5-1-1	2ND FLR	SMOKE DETECTOR
FPS-40070013	2-5-1-1	2ND FLR	SMOKE DETECTOR
FPS-40070014	2-3-1-1	2ND FLR	SMOKE DETECTOR
FPS-40070015	2-3-1-1	2ND FLR	SMOKE DETECTOR
FPS-40070016	2-3-1-1	2ND FLR	SMOKE DETECTOR
FPS-48050011	3-7-1-1	3009	SMOKE DETECTOR
FPS-48050012	3-7-1-1	3009	SMOKE DETECTOR
FPS-48050006	3-7-1-1	3017	SMOKE DETECTOR
FPS-48050007	3-7-1-1	3017	SMOKE DETECTOR
FPS-48050008	3-7-1-1	3027	SMOKE DETECTOR
FPS-48050009	3-7-1-1	3027	SMOKE DETECTOR
FPS-48050010	3-7-1-1	3027	SMOKE DETECTOR
FPS-48050001	3-8-1-2	3056	SMOKE DETECTOR
FPS-48050002	3-8-1-2	3056	SMOKE DETECTOR
FPS-48050003	3-7-1-1	3061	SMOKE DETECTOR
FPS-48050004	3-8-1-2	3061	SMOKE DETECTOR
FPS-48050005	3-8-1-2	3070	SMOKE DETECTOR
FPS-42040006	3-8-1-1	3077	SMOKE DETECTOR
FPS-42040009	3-8-1-1	3110	SMOKE DETECTOR
FPS-42040010	3-8-1-1	3110	SMOKE DETECTOR
FPS-42040007	3-8-1-1	3122	SMOKE DETECTOR
FPS-42040008	3-8-1-1	3122	SMOKE DETECTOR
FPS-48110005	3-5-1-1	3330	SMOKE DETECTOR
FPS-48110007	3-5-1-1	3350	SMOKE DETECTOR
FPS-48040001	3-5-1-2	3389	SMOKE DETECTOR
FPS-48040002	3-5-1-2	3389	SMOKE DETECTOR
FPS-48040003	3-5-1-2	3390	SMOKE DETECTOR
FPS-48040005	3-3-1-1	3395	SMOKE DETECTOR
FPS-42050002	3-8-1-1	3226	SMOKE DETECTOR
FPS-48110003	3-5-1-1	3310	SMOKE DETECTOR
FPS-48110004	3-5-1-1	3310	SMOKE DETECTOR

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<u>Equip ID #</u>	<u>Serial #</u>	<u>Location</u>	<u>Description</u>
SMOKE DETECTOR			
FPS-48110006	3-5-1-1	3310	SMOKE DETECTOR
FPS-42020001	3-6-1-1	3418	SMOKE DETECTOR
FPS-42020002	3-6-1-1	3418	SMOKE DETECTOR
FPS-42020007	3-6-1-1	3414	SMOKE DETECTOR
FPS-42020016	3-6-1-1	3414	SMOKE DETECTOR
FPS-42020021	3-6-1-1	3452	SMOKE DETECTOR
FPS-42020022	3-6-1-1	3452	SMOKE DETECTOR
FPS-42030014	3-6-1-2	3421	SMOKE DETECTOR
FPS-42030015	3-6-1-2	3421	SMOKE DETECTOR
FPS-42030003	3-6-1-2	3421	SMOKE DETECTOR
FPS-42020027	3-6-1-1	3453	SMOKE DETECTOR
FPS-42020018	3-6-1-1	3453	SMOKE DETECTOR
FPS-42020019	3-6-1-1	3467	SMOKE DETECTOR
FPS-42020009	3-6-1-1	3467	SMOKE DETECTOR
FPS-42020010	3-6-1-1	3467	SMOKE DETECTOR
FPS-42020015	3-6-1-1	3470	SMOKE DETECTOR
FPS-42020004	3-6-1-1	3470	SMOKE DETECTOR
FPS-42030010	3-6-1-2	3473	SMOKE DETECTOR
FPS-42030011	3-6-1-2	3473	SMOKE DETECTOR
FPS-42030012	3-6-1-2	3466	SMOKE DETECTOR
FPS-42030008	3-6-1-2	3474	SMOKE DETECTOR
FPS-42030013	3-6-1-2	3475	SMOKE DETECTOR
FPS-42020017	3-6-1-1	3475	SMOKE DETECTOR
FPS-41050026	3-4-1-1	3510	SMOKE DETECTOR
FPS-41050027	3-4-1-1	3510	SMOKE DETECTOR
FPS-41050028	3-4-1-1	3510	SMOKE DETECTOR
FPS-41050029	3-4-1-1	3510	SMOKE DETECTOR
FPS-41040006	3-4-1-1	3510	SMOKE DETECTOR
FPS-41050038	3-4-1-1	3510	SMOKE DETECTOR
FPS-41050039	3-4-1-1	3510	SMOKE DETECTOR
FPS-41050040	3-4-1-1	3510	SMOKE DETECTOR
FPS-48030006	3-4-1-2	3532	SMOKE DETECTOR
FPS-48030005	3-4-1-2	3534	SMOKE DETECTOR
FPS-41040004	3-4-1-1	3525	SMOKE DETECTOR
FPS-41040005	3-4-1-1	3525	SMOKE DETECTOR
FPS-41030008	3-2-1-1	3908	SMOKE DETECTOR
FPS-41030009	3-2-1-1	3908	SMOKE DETECTOR
FPS-41030007	3-2-1-1	3928	SMOKE DETECTOR
FPS-41030010	3-2-1-1	3924	SMOKE DETECTOR
FPS-41030011	3-2-1-1	3924	SMOKE DETECTOR
FPS-42040001	3-8-1-1	3RD FLR	SMOKE DETECTOR
FPS-42040002	3-8-1-1	3RD FLR	SMOKE DETECTOR
FPS-42040003	3-8-1-1	3RD FLR	SMOKE DETECTOR
FPS-42030001	3-6-1-2	3RD FLR	SMOKE DETECTOR
FPS-42030002	3-6-1-2	3RD FLR	SMOKE DETECTOR
FPS-42020012	3-6-1-1	3RD FLR	SMOKE DETECTOR
FPS-42020013	3-4-1-1	3RD FLR	SMOKE DETECTOR
FPS-42020020	3-6-1-1	3RD FLR	SMOKE DETECTOR
FPS-42020026	3-6-1-1	3RD FLR	SMOKE DETECTOR
FPS-42020028	3-6-1-1	3RD FLR	SMOKE DETECTOR
FPS-41050036	3-5-1-1	3RD FLR	SMOKE DETECTOR

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<u>Equip ID #</u>	<u>Serial #</u>	<u>Location</u>	<u>Description</u>
SMOKE DETECTOR			
FPS-41050043	3-5-1-1	3RD FLR	SMOKE DETECTOR
FPS-41050032	3-5-1-1	3RD FLR	SMOKE DETECTOR
FPS-41050033	3-5-1-1	3RD FLR	SMOKE DETECTOR
FPS-41050034	3-5-1-1	3RD FLR	SMOKE DETECTOR
FPS-48040010	3-5-1-2	3RD FLR	SMOKE DETECTOR
FPS-48040011	3-5-1-2	3RD FLR	SMOKE DETECTOR
FPS-48040012	3-5-1-2	3RD FLR	SMOKE DETECTOR
FPS-48030009	3-4-1-2	3RD FLR	SMOKE DETECTOR
FPS-48040004	3-5-1-2	3RD FLR	SMOKE DETECTOR
FPS-48030007	3-4-1-2	3RD FLR	SMOKE DETECTOR
FPS-48030008	3-4-1-2	3RD FLR	SMOKE DETECTOR
FPS-41050002	3-1-1-1	3RD FLR	SMOKE DETECTOR
FPS-41050003	3-4-1-1	3RD FLR	SMOKE DETECTOR
FPS-41050042	3-5-1-1	3RD FLR	SMOKE DETECTOR
FPS-41040002	3-4-1-1	3RD FLR	SMOKE DETECTOR
FPS-41040003	3-4-1-1	3RD FLR	SMOKE DETECTOR
FPS-41040001	3-4-1-1	3RD FLR	SMOKE DETECTOR
FPS-41030018	3-1-1-1	3RD FLR	SMOKE DETECTOR
FPS-41030019	3-1-1-1	3RD FLR	SMOKE DETECTOR
FPS-41030001	3-4-1-1	3RD FLR	SMOKE DETECTOR
FPS-41030002	3-1-1-1	3RD FLR	SMOKE DETECTOR
FPS-41030003	3-1-1-1	3RD FLR	SMOKE DETECTOR
FPS-41030004	3-1-1-1	3RD FLR	SMOKE DETECTOR
FPS-48110008	3-5-1-1	3RD FLR	SMOKE DETECTOR
FPS-48110001	3-7-1-1	3RD FLR	SMOKE DETECTOR
FPS-48110002	3-6-1-1	3RD FLR	SMOKE DETECTOR
FPS-41030012	3-2-1-1	3RD FLR	SMOKE DETECTOR
FPS-48050013	3-7-1-1	3RD FLR	SMOKE DETECTOR
FPS-48050017	3-7-1-1	3RD FLR	SMOKE DETECTOR
FPS-48050018	3-7-1-1	3RD FLR	SMOKE DETECTOR
FPS-41050021	3-3-1-1	3675	SMOKE DETECTOR
FPS-41050022	3-3-1-1	3675	SMOKE DETECTOR
FPS-41050023	3-3-1-1	3675	SMOKE DETECTOR
FPS-41050014	3-3-1-1	3630	SMOKE DETECTOR
FPS-41050015	3-3-1-1	3630	SMOKE DETECTOR
FPS-41050017	3-3-1-1	3630	SMOKE DETECTOR
FPS-41050012	3-3-1-1	3633	SMOKE DETECTOR
FPS-41050013	3-3-1-1	3633	SMOKE DETECTOR
FPS-41050037	3-3-1-1	3601	SMOKE DETECTOR
FPS-48030012	3-4-1-2	3560	SMOKE DETECTOR
FPS-42020023	3-4-1-1	3560	SMOKE DETECTOR
FPS-42020024	3-4-1-1	3560	SMOKE DETECTOR
FPS-42020025	3-4-1-1	3560	SMOKE DETECTOR
FPS-48030013	3-4-1-2	3563	SMOKE DETECTOR
FPS-48030014	3-4-1-2	3563	SMOKE DETECTOR
FPS-48030015	3-4-1-2	3563	SMOKE DETECTOR
FPS-48030011	3-4-1-2	3563	SMOKE DETECTOR
FPS-48030001	3-4-1-2	3571	SMOKE DETECTOR
FPS-48030002	3-4-1-2	3571	SMOKE DETECTOR
FPS-48030003	3-4-1-2	3571	SMOKE DETECTOR
FPS-48030004	3-4-1-2	3571	SMOKE DETECTOR

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<u>Equip ID #</u>	<u>Serial #</u>	<u>Location</u>	<u>Description</u>
SMOKE DETECTOR			
FPS-41050020	3-3-1-1	3602	SMOKE DETECTOR
FPS-48040007	3-3-1-1	3603	SMOKE DETECTOR
FPS-48040008	3-3-1-1	3603	SMOKE DETECTOR
FPS-48040013	3-3-1-1	3602	SMOKE DETECTOR
FPS-48040014	3-3-1-1	3602	SMOKE DETECTOR
FPS-48040015	3-3-1-1	3602	SMOKE DETECTOR
FPS-48020004	3-1-1-1	3701	SMOKE DETECTOR
FPS-48020005	3-1-1-1	3701	SMOKE DETECTOR
FPS-41020001	3-1-1-1	3702	SMOKE DETECTOR
FPS-41020003	3-1-1-1	3711	SMOKE DETECTOR
FPS-41020004	3-1-1-1	3711	SMOKE DETECTOR
FPS-41020005	3-1-1-1	3722	SMOKE DETECTOR
FPS-41020006	3-1-1-1	3722	SMOKE DETECTOR
FPS-41050009	3-4-1-1	3683	SMOKE DETECTOR
FPS-41050005	3-4-1-1	3683	SMOKE DETECTOR
FPS-41050006	3-4-1-1	3683	SMOKE DETECTOR
FPS-41030006	3-2-1-1	3781	SMOKE DETECTOR
FPS-41030016	3-1-1-1	3807	SMOKE DETECTOR
FPS-41030017	3-1-1-1	3807	SMOKE DETECTOR
FPS-41030013	3-1-1-1	3827	SMOKE DETECTOR
FPS-41030014	3-1-1-1	3827	SMOKE DETECTOR
FPS-41030015	3-1-1-1	3828	SMOKE DETECTOR
FPS-41020002	3-1-1-1	3725	SMOKE DETECTOR
FPS-48020001	3-1-1-1	3756	SMOKE DETECTOR
FPS-48020002	3-1-1-1	3756	SMOKE DETECTOR
FPS-48020003	3-1-1-1	3756	SMOKE DETECTOR
FPS-41030005	3-1-1-1	3758	SMOKE DETECTOR
FPS-42070004	4-2-1-1	4909	SMOKE DETECTOR
FPS-42070005	4-2-1-1	4912	SMOKE DETECTOR
FPS-42070006	4-2-1-1	4912	SMOKE DETECTOR
FPS-42070007	4-2-1-1	4921	SMOKE DETECTOR
FPS-42070008	4-2-1-1	4921	SMOKE DETECTOR
FPS-42070001	4-2-1-1	4983	SMOKE DETECTOR
FPS-42070002	4-2-1-1	4983	SMOKE DETECTOR
FPS-42070003	4-2-1-1	4983	SMOKE DETECTOR
FPS-43040021	4-8-1-1	4TH FLR	SMOKE DETECTOR
FPS-43040022	4-8-1-1	4TH FLR	SMOKE DETECTOR
FPS-43040023	4-8-1-1	4TH FLR	SMOKE DETECTOR
FPS-43020018	4-6-1-2	4TH FLR	SMOKE DETECTOR
FPS-43020009	4-6-1-2	4TH FLR	SMOKE DETECTOR
FPS-43020010	4-6-1-2	4TH FLR	SMOKE DETECTOR
FPS-42100007	4-5-1-1	4TH FLR	SMOKE DETECTOR
FPS-42100008	4-5-1-1	4TH FLR	SMOKE DETECTOR
FPS-42070014	4-1-1-1	4TH FLR	SMOKE DETECTOR
FPS-42070015	4-1-1-1	4TH FLR	SMOKE DETECTOR
FPS-42090001	4-4-1-1	4TH FLR	SMOKE DETECTOR
FPS-42090002	4-2-1-1	4TH FLR	SMOKE DETECTOR
FPS-42110021	4-3-1-1	4TH FLR	SMOKE DETECTOR
FPS-42090003	4-4-1-1	4TH FLR	SMOKE DETECTOR
FPS-42090004	4-4-1-1	4TH FLR	SMOKE DETECTOR
FPS-42090005	4-4-1-1	4TH FLR	SMOKE DETECTOR

John H. Stroger Jr. Hospital of Cook County
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<u>Equip ID #</u>	<u>Serial #</u>	<u>Location</u>	<u>Description</u>
SMOKE DETECTOR			
FPS-42060010	4-1-1-1	4TH FLR	SMOKE DETECTOR
FPS-43020004	4-6-1-2	4TH FLR	SMOKE DETECTOR
FPS-42110007	4-5-1-1	4TH FLR	SMOKE DETECTOR
FPS-42110022	4-3-1-1	4TH FLR	SMOKE DETECTOR
FPS-42110023	4-3-1-1	4TH FLR	SMOKE DETECTOR
FPS-42110008	4-5-1-1	4TH FLR	SMOKE DETECTOR
FPS-42110009	4-5-1-1	4TH FLR	SMOKE DETECTOR
FPS-42110010	4-5-1-1	4TH FLR	SMOKE DETECTOR
FPS-42100026	4-5-1-1	4TH FLR	SMOKE DETECTOR
FPS-42100016	4-3-1-1	4TH FLR	SMOKE DETECTOR
FPS-42100025	4-5-1-1	4TH FLR	SMOKE DETECTOR
FPS-42090015	4-3-1-1	4626	SMOKE DETECTOR
FPS-42090016	4-3-1-1	4626	SMOKE DETECTOR
FPS-42090017	4-3-1-1	4621	SMOKE DETECTOR
FPS-42100021	4-3-1-1	4609	SMOKE DETECTOR
FPS-42100002	4-3-1-1	4609	SMOKE DETECTOR
FPS-42100003	4-3-1-1	4609	SMOKE DETECTOR
FPS-42100027	4-3-1-1	4609	SMOKE DETECTOR
FPS-42100019	4-3-1-1	4607	SMOKE DETECTOR
FPS-42100020	4-3-1-1	4607	SMOKE DETECTOR
FPS-42090013	4-3-1-1	4633	SMOKE DETECTOR
FPS-42090014	4-3-1-1	4633	SMOKE DETECTOR
FPS-42090008	4-4-1-1	4690	SMOKE DETECTOR
FPS-42060004	4-1-1-1	4700	SMOKE DETECTOR
FPS-42060001	4-1-1-1	4710	SMOKE DETECTOR
FPS-42060002	4-1-1-1	4710	SMOKE DETECTOR
FPS-42060005	4-1-1-1	4723	SMOKE DETECTOR
FPS-42060006	4-1-1-1	4723	SMOKE DETECTOR
FPS-48060007	4-1-1-1	4709	SMOKE DETECTOR
FPS-42060003	4-1-1-1	4727	SMOKE DETECTOR
FPS-42090009	4-1-1-1	4754	SMOKE DETECTOR
FPS-48060006	4-1-1-1	4754	SMOKE DETECTOR
FPS-48060004	4-1-1-1	4754	SMOKE DETECTOR
FPS-48060001	4-1-1-1	4754	SMOKE DETECTOR
FPS-48060002	4-1-1-1	4754	SMOKE DETECTOR
FPS-42070009	4-2-1-1	4820	SMOKE DETECTOR
FPS-42070010	4-2-1-1	4820	SMOKE DETECTOR
FPS-42070011	4-1-1-1	4827	SMOKE DETECTOR
FPS-42070012	4-1-1-1	4806	SMOKE DETECTOR
FPS-42070013	4-1-1-1	4806	SMOKE DETECTOR
FPS-42080016	4-4-1-1	4565	SMOKE DETECTOR
FPS-42080011	4-4-1-1	4552	SMOKE DETECTOR
FPS-42090007	4-4-1-1	4519	SMOKE DETECTOR
FPS-42080012	4-4-1-1	4553	SMOKE DETECTOR
FPS-42080013	4-4-1-1	4553	SMOKE DETECTOR
FPS-42110029	4-3-1-1	4603	SMOKE DETECTOR
FPS-42110024	4-3-1-1	4603	SMOKE DETECTOR
FPS-42110025	4-3-1-1	4603	SMOKE DETECTOR
FPS-42110026	4-3-1-1	4603	SMOKE DETECTOR
FPS-42080017	4-4-1-1	4573	SMOKE DETECTOR
FPS-42080008	4-4-1-1	4572	SMOKE DETECTOR

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<u>Equip ID #</u>	<u>Serial #</u>	<u>Location</u>	<u>Description</u>
SMOKE DETECTOR			
FPS-42080019	4-4-1-1	4503	SMOKE DETECTOR
FPS-43020011	4-6-1-2	4441	SMOKE DETECTOR
FPS-43020001	4-6-1-2	4480	SMOKE DETECTOR
FPS-42110012	4-6-1-1	4479	SMOKE DETECTOR
FPS-42080009	4-4-1-1	4511	SMOKE DETECTOR
FPS-42080010	4-4-1-1	4511	SMOKE DETECTOR
FPS-42080001	4-4-1-1	4519	SMOKE DETECTOR
FPS-42100001	4-3-1-1	4395	SMOKE DETECTOR
FPS-42100022	4-5-1-1	4395	SMOKE DETECTOR
FPS-42110020	4-6-4-1	4410	SMOKE DETECTOR
FPS-42100017	4-3-1-1	4394	SMOKE DETECTOR
FPS-43020005	4-6-1-2	4393	SMOKE DETECTOR
FPS-43020006	4-6-1-2	4393	SMOKE DETECTOR
FPS-43020007	4-6-1-2	4393	SMOKE DETECTOR
FPS-43020008	4-6-1-2	4393	SMOKE DETECTOR
FPS-42080015	4-4-1-1	4336	SMOKE DETECTOR
FPS-42080014	4-4-1-1	4338	SMOKE DETECTOR
FPS-42100009	4-5-1-1	4389	SMOKE DETECTOR
FPS-42100010	4-5-1-1	4389	SMOKE DETECTOR
FPS-42110017	4-4-1-1	4450	SMOKE DETECTOR
FPS-42110018	4-4-1-1	4450	SMOKE DETECTOR
FPS-42110019	4-4-1-1	4450	SMOKE DETECTOR
FPS-42110015	4-6-1-1	4461	SMOKE DETECTOR
FPS-42110016	4-6-1-1	4463	SMOKE DETECTOR
FPS-42110013	4-6-1-1	4465	SMOKE DETECTOR
FPS-42110014	4-6-1-1	4465	SMOKE DETECTOR
FPS-43020012	4-5-1-1	4431	SMOKE DETECTOR
FPS-43020013	4-5-1-1	4431	SMOKE DETECTOR
FPS-43020014	4-5-1-1	4431	SMOKE DETECTOR
FPS-43020015	4-6-1-2	4429	SMOKE DETECTOR
FPS-43020016	4-6-1-2	4429	SMOKE DETECTOR
FPS-43040003	4-8-1-1	4123	SMOKE DETECTOR
FPS-43040004	4-8-1-1	4123	SMOKE DETECTOR
FPS-43040005	4-8-1-1	4127	SMOKE DETECTOR
FPS-43040001	4-8-1-1	4130	SMOKE DETECTOR
FPS-43040002	4-8-1-1	4130	SMOKE DETECTOR
FPS-43040013	4-8-1-1	4223	SMOKE DETECTOR
FPS-43040014	4-8-1-1	4223	SMOKE DETECTOR
FPS-43040019	4-8-1-1	4224	SMOKE DETECTOR
FPS-43040015	4-8-1-1	4227	SMOKE DETECTOR
FPS-43040016	4-8-1-1	4227	SMOKE DETECTOR
FPS-43030006	4-7-1-1	4027	SMOKE DETECTOR
FPS-43030004	4-7-1-1	4028	SMOKE DETECTOR
FPS-43030005	4-7-1-1	4028	SMOKE DETECTOR
FPS-43030002	4-7-1-1	4021	SMOKE DETECTOR
FPS-43030003	4-7-1-1	4021	SMOKE DETECTOR
FPS-48070001	4-7-1-1	4055	SMOKE DETECTOR
FPS-48070005	4-7-1-1	4055	SMOKE DETECTOR
FPS-48070006	4-7-1-1	4055	SMOKE DETECTOR
FPS-48070007	4-7-1-1	4055	SMOKE DETECTOR
FPS-44040029	5-8-1-1	5101	SMOKE DETECTOR

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<u>Equip ID #</u>	<u>Serial #</u>	<u>Location</u>	<u>Description</u>
SMOKE DETECTOR			
FPS-44040030	5-8-1-1	5101	SMOKE DETECTOR
FPS-44040031	5-8-1-1	5101	SMOKE DETECTOR
FPS-44040032	5-8-1-1	5101	SMOKE DETECTOR
FPS-44040008	5-8-1-1	5102	SMOKE DETECTOR
FPS-44040009	5-8-1-1	5102	SMOKE DETECTOR
FPS-44040010	5-8-1-1	5102	SMOKE DETECTOR
FPS-48080005	5-5-1-2	5310	SMOKE DETECTOR
FPS-48080002	5-5-1-2	5TH FLR	SMOKE DETECTOR
FPS-48080007	5-3-1-1	5TH FLR	SMOKE DETECTOR
FPS-43070002	5-1-1-1	5810	SMOKE DETECTOR
FPS-43070003	5-1-1-1	5810	SMOKE DETECTOR
FPS-43070004	5-1-1-1	5812	SMOKE DETECTOR
FPS-43070005	5-1-1-1	5812	SMOKE DETECTOR
FPS-43070001	5-1-1-1	5812	SMOKE DETECTOR
FPS-48080008	5-5-1-2	5310	SMOKE DETECTOR
FPS-48080004	5-5-1-2	5425	SMOKE DETECTOR
FPS-48080001	5-5-1-2	5430	SMOKE DETECTOR
FPS-48090001	5-5-1-2	5380	SMOKE DETECTOR
FPS-43110015	5-6-1-1	5420	SMOKE DETECTOR
FPS-43110016	5-6-1-1	5420	SMOKE DETECTOR
FPS-43110017	5-6-1-1	5420	SMOKE DETECTOR
FPS-43110018	5-6-1-1	5420	SMOKE DETECTOR
FPS-43110019	5-6-1-1	5420	SMOKE DETECTOR
FPS-43110020	5-6-1-1	5420	SMOKE DETECTOR
FPS-43110009	5-6-1-1	5420	SMOKE DETECTOR
FPS-43110010	5-6-1-1	5420	SMOKE DETECTOR
FPS-43110011	5-6-1-1	5420	SMOKE DETECTOR
FPS-43110012	5-6-1-1	5420	SMOKE DETECTOR
FPS-43110013	5-6-1-1	5420	SMOKE DETECTOR
FPS-43110014	5-6-1-1	5420	SMOKE DETECTOR
FPS-43110003	5-6-1-1	5420	SMOKE DETECTOR
FPS-43110004	5-6-1-1	5420	SMOKE DETECTOR
FPS-43110005	5-6-1-1	5420	SMOKE DETECTOR
FPS-43110006	5-6-1-1	5420	SMOKE DETECTOR
FPS-43110007	5-6-1-1	5420	SMOKE DETECTOR
FPS-43110008	5-6-1-1	5420	SMOKE DETECTOR
FPS-43110045	5-6-1-1	5420	SMOKE DETECTOR
FPS-43110030	5-6-1-1	5410	SMOKE DETECTOR
FPS-43110031	5-6-1-1	5410	SMOKE DETECTOR
FPS-43110032	5-6-1-1	5410	SMOKE DETECTOR
FPS-43110039	5-6-1-1	5410	SMOKE DETECTOR
FPS-43110040	5-6-1-1	5410	SMOKE DETECTOR
FPS-43110041	5-6-1-1	5410	SMOKE DETECTOR
FPS-43110042	5-6-1-1	5410	SMOKE DETECTOR
FPS-43110043	5-6-1-1	5410	SMOKE DETECTOR
FPS-43110044	5-6-1-1	5410	SMOKE DETECTOR
FPS-43110033	5-6-1-1	5410	SMOKE DETECTOR
FPS-43110034	5-6-1-1	5410	SMOKE DETECTOR
FPS-43110035	5-6-1-1	5410	SMOKE DETECTOR
FPS-43110036	5-6-1-1	5410	SMOKE DETECTOR
FPS-43110037	5-6-1-1	5410	SMOKE DETECTOR

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<u>Equip ID #</u>	<u>Serial #</u>	<u>Location</u>	<u>Description</u>
SMOKE DETECTOR			
FPS-43110038	5-6-1-1	5410	SMOKE DETECTOR
FPS-43110021	5-6-1-1	5416	SMOKE DETECTOR
FPS-43110022	5-6-1-1	5416	SMOKE DETECTOR
FPS-43110023	5-6-1-1	5416	SMOKE DETECTOR
FPS-43110001	5-6-1-1	5420	SMOKE DETECTOR
FPS-43110002	5-6-1-1	5420	SMOKE DETECTOR
FPS-43110024	5-6-1-1	5455	SMOKE DETECTOR
FPS-43110025	5-6-1-1	5455	SMOKE DETECTOR
FPS-43110026	5-6-1-1	5455	SMOKE DETECTOR
FPS-43110027	5-6-1-1	5455	SMOKE DETECTOR
FPS-43110028	5-6-1-1	5455	SMOKE DETECTOR
FPS-43110029	5-6-1-1	5455	SMOKE DETECTOR
FPS-43090004	5-4-1-1	5570	SMOKE DETECTOR
FPS-43090005	5-4-1-1	5570	SMOKE DETECTOR
FPS-43090012	5-4-1-1	5570	SMOKE DETECTOR
FPS-43090013	5-4-1-1	5570	SMOKE DETECTOR
FPS-43090014	5-4-1-1	5570	SMOKE DETECTOR
FPS-43090015	5-4-1-1	5570	SMOKE DETECTOR
FPS-43090016	5-4-1-1	5570	SMOKE DETECTOR
FPS-43090017	5-4-1-1	5570	SMOKE DETECTOR
FPS-43090006	5-4-1-1	5570	SMOKE DETECTOR
FPS-43090007	5-4-1-1	5570	SMOKE DETECTOR
FPS-43090008	5-4-1-1	5570	SMOKE DETECTOR
FPS-43090009	5-4-1-1	5570	SMOKE DETECTOR
FPS-43090010	5-4-1-1	5570	SMOKE DETECTOR
FPS-43090011	5-4-1-1	5570	SMOKE DETECTOR
FPS-43080001	5-3-1-1	5610	SMOKE DETECTOR
FPS-43090018	5-4-1-1	5568	SMOKE DETECTOR
FPS-45070005	6-5-1-1	6336	SMOKE DETECTOR
FPS-45060001	6-5-1-1	6301	SMOKE DETECTOR
FPS-45060004	6-5-1-1	6301	SMOKE DETECTOR
FPS-45060002	6-5-1-1	6302	SMOKE DETECTOR
FPS-45070007	6-5-1-1	6302	SMOKE DETECTOR
FPS-45070006	6-5-1-1	6338	SMOKE DETECTOR
FPS-45080005	6-6-1-1	6TH FLR	SMOKE DETECTOR
FPS-45070001	6-6-1-1	6TH FLR	SMOKE DETECTOR
FPS-45070002	6-5-1-1	6TH FLR	SMOKE DETECTOR
FPS-45070003	6-6-1-1	6TH FLR	SMOKE DETECTOR
FPS-45070004	6-6-1-1	6TH FLR	SMOKE DETECTOR
FPS-45060005	6-3-1-1	6TH FLR	SMOKE DETECTOR
FPS-45080006	6-3-1-1	6TH FLR	SMOKE DETECTOR
FPS-45060016	6-3-1-1	6501	SMOKE DETECTOR
FPS-45080012	6-4-1-1	6436	SMOKE DETECTOR
FPS-45060011	6-3-1-1	6436	SMOKE DETECTOR
FPS-45080013	6-4-1-1	6438	SMOKE DETECTOR
FPS-45060010	6-3-1-1	6438	SMOKE DETECTOR
FPS-45060012	6-3-1-1	6501	SMOKE DETECTOR
FPS-45060021	6-4-1-1	6562	SMOKE DETECTOR
FPS-45060006	6-3-1-1	6562	SMOKE DETECTOR
FPS-45060008	6-3-1-1	6562	SMOKE DETECTOR
FPS-45060009	6-3-1-1	6562	SMOKE DETECTOR

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<u>Equip ID #</u>	<u>Serial #</u>	<u>Location</u>	<u>Description</u>
SMOKE DETECTOR			
FPS-45060019	6-4-1-1	6549	SMOKE DETECTOR
FPS-45060020	6-4-1-1	6560	SMOKE DETECTOR
FPS-45080007	6-4-1-1	6562	SMOKE DETECTOR
FPS-45080008	6-4-1-1	6562	SMOKE DETECTOR
FPS-45080009	6-4-1-1	6562	SMOKE DETECTOR
FPS-45090017	7-5-1-1	7301	SMOKE DETECTOR
FPS-45100001	7-5-1-1	7302	SMOKE DETECTOR
FPS-45100005	7-6-1-1	7TH FLR	SMOKE DETECTOR
FPS-45100006	7-6-1-1	7TH FLR	SMOKE DETECTOR
FPS-45100007	7-5-1-1	7TH FLR	SMOKE DETECTOR
FPS-45100008	7-6-1-1	7TH FLR	SMOKE DETECTOR
FPS-45090009	7-4-1-1	7562	SMOKE DETECTOR
FPS-45090010	7-4-1-1	7562	SMOKE DETECTOR
FPS-45110006	7-3-1-1	7TH FLR	SMOKE DETECTOR
FPS-45110007	7-6-1-1	7TH FLR	SMOKE DETECTOR
FPS-45090001	7-3-1-1	7536	SMOKE DETECTOR
FPS-45090002	7-3-1-1	7538	SMOKE DETECTOR
FPS-45110012	7-4-1-1	7436	SMOKE DETECTOR
FPS-45110013	7-4-1-1	7438	SMOKE DETECTOR
FPS-45090011	7-4-1-1	7560	SMOKE DETECTOR
FPS-45090003	7-3-1-1	7502	SMOKE DETECTOR
FPS-45090005	7-3-1-1	7502	SMOKE DETECTOR
FPS-45100003	7-5-1-1	7336	SMOKE DETECTOR
FPS-45100004	7-5-1-1	7338	SMOKE DETECTOR
FPS-45090019	7-5-1-1	7302	SMOKE DETECTOR
FPS-45090020	7-5-1-1	7302	SMOKE DETECTOR
FPS-45110001	7-4-1-1	7400	SMOKE DETECTOR
FPS-45110002	7-4-1-1	7400	SMOKE DETECTOR
FPS-45110003	7-4-1-1	7400	SMOKE DETECTOR
FPS-45090013	7-3-1-1	7TH FLR	SMOKE DETECTOR
FPS-45090014	7-3-1-1	7TH FLR	SMOKE DETECTOR
FPS-45090015	7-3-1-1	7TH FLR	SMOKE DETECTOR
FPS-45090016	7-3-1-1	7TH FLR	SMOKE DETECTOR
FPS-46020018	8-5-1-1	8301	SMOKE DETECTOR
FPS-46020019	8-5-1-1	8301	SMOKE DETECTOR
FPS-46020020	8-5-1-1	8301	SMOKE DETECTOR
FPS-46030009	8-5-1-1	8302	SMOKE DETECTOR
FPS-46030011	8-5-1-1	8336	SMOKE DETECTOR
FPS-46030012	8-5-1-1	8338	SMOKE DETECTOR
FPS-46020004	8-3-1-1	8501	SMOKE DETECTOR
FPS-46040013	8-4-1-1	8436	SMOKE DETECTOR
FPS-46040012	8-4-1-1	8438	SMOKE DETECTOR
FPS-46040007	8-4-1-1	8400	SMOKE DETECTOR
FPS-46040008	8-3-1-1	8400	SMOKE DETECTOR
FPS-46040009	8-4-1-1	8400	SMOKE DETECTOR
FPS-46040010	8-4-1-1	8400	SMOKE DETECTOR
FPS-46040011	8-4-1-1	8400	SMOKE DETECTOR
FPS-46020006	8-3-1-1	8501	SMOKE DETECTOR
FPS-46020001	8-3-1-1	8536	SMOKE DETECTOR
FPS-46020002	8-3-1-1	8538	SMOKE DETECTOR
FPS-46020009	8-4-1-1	8560	SMOKE DETECTOR

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SMOKE DETECTOR			
FPS-46020010	8-4-1-1	8560	SMOKE DETECTOR
FPS-46020011	8-4-1-1	8562	SMOKE DETECTOR
FPS-46020014	8-3-1-1	8TH FLR	SMOKE DETECTOR
FPS-46020015	8-3-1-1	8TH FLR	SMOKE DETECTOR
FPS-46020016	8-3-1-1	8TH FLR	SMOKE DETECTOR
FPS-46040004	8-6-1-1	8TH FLR	SMOKE DETECTOR
FPS-46020013	8-3-1-1	8TH FLR	SMOKE DETECTOR
FPS-46030013	8-6-1-1	8TH FLR	SMOKE DETECTOR
FPS-46030014	8-6-1-1	8TH FLR	SMOKE DETECTOR
FPS-46030015	8-5-1-1	8TH FLR	SMOKE DETECTOR
FPS-46030016	8-6-1-1	8TH FLR	SMOKE DETECTOR
FPS-46060016	9-3-1-1	9400	SMOKE DETECTOR
FPS-46060017	9-3-1-1	9400	SMOKE DETECTOR
FPS-46060018	9-3-1-1	9400	SMOKE DETECTOR
FPS-46060019	9-3-1-1	9400	SMOKE DETECTOR
FPS-46060020	9-3-1-1	9400	SMOKE DETECTOR
FPS-46060022	9-3-1-1	9400	SMOKE DETECTOR
FPS-46060023	9-3-1-1	9400	SMOKE DETECTOR
FPS-46060024	9-3-1-1	9400	SMOKE DETECTOR
FPS-46060025	9-3-1-1	9400	SMOKE DETECTOR
FPS-46060007	9-3-1-1	9350	SMOKE DETECTOR
FPS-46060008	9-3-1-1	9350	SMOKE DETECTOR
FPS-46060009	9-3-1-1	9350	SMOKE DETECTOR
FPS-46060003	9-3-1-1	9350	SMOKE DETECTOR
FPS-46060004	9-3-1-1	9350	SMOKE DETECTOR
FPS-46060005	9-3-1-1	9350	SMOKE DETECTOR
FPS-46060006	9-3-1-1	9350	SMOKE DETECTOR
FPS-46060011	9-5-1-1	9350	SMOKE DETECTOR
FPS-46060012	9-5-1-1	9350	SMOKE DETECTOR
FPS-46090004	10-4-1-1	LL FLR	SMOKE DETECTOR
FPS-37060010	10-4-1-1	LL FLR	SMOKE DETECTOR
FPS-37060011	10-4-1-1	LL FLR	SMOKE DETECTOR
FPS-37060012	10-4-1-1	LL FLR	SMOKE DETECTOR
FPS-37060013	10-4-1-1	LL FLR	SMOKE DETECTOR
FPS-37060014	10-4-1-1	LL FLR	SMOKE DETECTOR
FPS-37060015	10-4-1-1	LL FLR	SMOKE DETECTOR
FPS-46100001	10-14-1-1	LL FLR	SMOKE DETECTOR
FPS-46090006	10-4-1-1	LL FLR	SMOKE DETECTOR
FPS-46090010	10-4-1-1	LL FLR	SMOKE DETECTOR
FPS-46100002	10-14-1-1	LL FLR	SMOKE DETECTOR
FPS-46100003	10-14-1-1	LL FLR	SMOKE DETECTOR
FPS-46100004	10-14-1-1	LL FLR	SMOKE DETECTOR
FPS-46100005	10-14-1-1	LL FLR	SMOKE DETECTOR
FPS-38020010	10-8-1-1	LL FLR	SMOKE DETECTOR
FPS-37110011	10-6-1-2	LL FLR	SMOKE DETECTOR
FPS-37110013	10-6-1-2	LL FLR	SMOKE DETECTOR
FPS-37090006	10-6-1-2	LL FLR	SMOKE DETECTOR
FPS-37040014	10-4-1-1	LL FLR	SMOKE DETECTOR
FPS-37060009	10-4-1-1	LL FLR	SMOKE DETECTOR
FPS-37080003	10-6-1-1	LL FLR	SMOKE DETECTOR
FPS-37080004	10-4-1-1	LL FLR	SMOKE DETECTOR

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<u>Equip ID #</u>	<u>Serial #</u>	<u>Location</u>	<u>Description</u>
SMOKE DETECTOR			
FPS-37080005	10-4-1-1	LL FLR	SMOKE DETECTOR
FPS-37080006	10-4-1-1	LL FLR	SMOKE DETECTOR
FPS-46070005	10-13-1-1	LL FLR	SMOKE DETECTOR
FPS-46110008	10-7-1-1	LL FLR	SMOKE DETECTOR
FPS-46070001	10-13-1-1	LL FLR	SMOKE DETECTOR
FPS-46070002	10-13-1-1	LL FLR	SMOKE DETECTOR
FPS-46070003	10-13-1-1	LL FLR	SMOKE DETECTOR
FPS-46070004	10-13-1-1	LL FLR	SMOKE DETECTOR
FPS-37110001	10-6-1-2	LL245	SMOKE DETECTOR
FPS-37110002	10-6-1-2	LL245	SMOKE DETECTOR
FPS-37110015	10-6-1-2	LL212	SMOKE DETECTOR
FPS-37090007	10-6-1-2	LL212	SMOKE DETECTOR
FPS-37100013	10-7-1-1	LL190	SMOKE DETECTOR
FPS-37090001	10-6-1-2	LL202	SMOKE DETECTOR
FPS-37090002	10-6-1-2	LL202	SMOKE DETECTOR
FPS-37090003	10-6-1-2	LL202	SMOKE DETECTOR
FPS-37090004	10-6-1-2	LL202	SMOKE DETECTOR
FPS-37100019	10-7-1-1	LL186	SMOKE DETECTOR
FPS-37100020	10-7-1-1	LL186	SMOKE DETECTOR
FPS-37100021	10-7-1-1	LL186	SMOKE DETECTOR
FPS-38030030	10-8-1-2	LL265	SMOKE DETECTOR
FPS-38030024	10-8-1-2	LL265	SMOKE DETECTOR
FPS-38030025	10-8-1-2	LL265	SMOKE DETECTOR
FPS-38030026	10-8-1-2	LL265	SMOKE DETECTOR
FPS-38030027	10-8-1-2	LL265	SMOKE DETECTOR
FPS-38030028	10-8-1-2	LL265	SMOKE DETECTOR
FPS-38030016	10-8-1-2	LL258	SMOKE DETECTOR
FPS-38030012	10-8-1-2	LL260	SMOKE DETECTOR
FPS-38030014	10-8-1-2	LL254	SMOKE DETECTOR
FPS-38030015	10-8-1-2	LL256	SMOKE DETECTOR
FPS-38030007	10-8-1-2	LL252	SMOKE DETECTOR
FPS-38030008	10-8-1-2	LL252	SMOKE DETECTOR
FPS-37110004	10-6-1-2	LL245	SMOKE DETECTOR
FPS-38030009	10-8-1-2	LL252	SMOKE DETECTOR
FPS-38030010	10-8-1-2	LL252	SMOKE DETECTOR
FPS-38030011	10-8-1-2	LL252	SMOKE DETECTOR
FPS-38030013	10-8-1-2	LL252	SMOKE DETECTOR
FPS-37090015	10-5-1-2	LL309	SMOKE DETECTOR
FPS-37110016	10-6-1-2	LL351	SMOKE DETECTOR
FPS-37110014	10-6-1-2	LL353	SMOKE DETECTOR
FPS-37090016	10-5-1-2	LL309	SMOKE DETECTOR
FPS-37090017	10-5-1-2	LL309	SMOKE DETECTOR
FPS-37090018	10-5-1-2	LL309	SMOKE DETECTOR
FPS-37090019	10-5-1-2	LL309	SMOKE DETECTOR
FPS-37090020	10-5-1-2	LL309	SMOKE DETECTOR
FPS-37110005	10-6-1-2	LL380	SMOKE DETECTOR
FPS-37110009	10-6-1-2	LL371	SMOKE DETECTOR
FPS-37110010	10-6-1-2	LL371	SMOKE DETECTOR
FPS-37110006	10-6-1-2	LL372	SMOKE DETECTOR
FPS-37110007	10-6-1-2	LL372	SMOKE DETECTOR
FPS-37110008	10-6-1-2	LL372	SMOKE DETECTOR

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SMOKE DETECTOR			
FPS-37070007	10-5-1-1	LL427	SMOKE DETECTOR
FPS-37070003	10-5-1-1	LL427	SMOKE DETECTOR
FPS-37070005	10-5-1-1	LL427	SMOKE DETECTOR
FPS-37070006	10-5-1-1	LL429	SMOKE DETECTOR
FPS-37070019	10-5-1-1	LL429	SMOKE DETECTOR
FPS-37070015	10-3-1-2	LL432	SMOKE DETECTOR
FPS-37070016	10-3-1-2	LL432	SMOKE DETECTOR
FPS-37070017	10-5-1-1	LL432	SMOKE DETECTOR
FPS-37070018	10-5-1-1	LL432	SMOKE DETECTOR
FPS-37070010	10-5-1-1	LL450	SMOKE DETECTOR
FPS-37070011	10-5-1-1	LL450	SMOKE DETECTOR
FPS-37070009	10-5-1-1	LL452	SMOKE DETECTOR
FPS-38030001	10-6-1-2	LL294	SMOKE DETECTOR
FPS-38030002	10-6-1-2	LL281	SMOKE DETECTOR
FPS-38030003	10-6-1-2	LL281	SMOKE DETECTOR
FPS-38030004	10-6-1-2	LL281	SMOKE DETECTOR
FPS-38030017	10-8-1-2	LL276	SMOKE DETECTOR
FPS-38030018	10-8-1-2	LL276	SMOKE DETECTOR
FPS-38030020	10-8-1-2	LL275	SMOKE DETECTOR
FPS-38030021	10-8-1-2	LL275	SMOKE DETECTOR
FPS-38030022	10-8-1-2	LL275	SMOKE DETECTOR
FPS-38030023	10-8-1-2	LL275	SMOKE DETECTOR
FPS-38030019	10-8-1-2	LL275	SMOKE DETECTOR
FPS-46120003	10-12-1-1	LL100	SMOKE DETECTOR
FPS-46120004	10-12-1-1	LL100	SMOKE DETECTOR
FPS-46120005	10-12-1-1	LL100	SMOKE DETECTOR
FPS-37070013	10-3-1-1	LL FLR	SMOKE DETECTOR
FPS-37100008	10-7-1-1	LL FLR	SMOKE DETECTOR
FPS-37070008	10-5-1-1	LL FLR	SMOKE DETECTOR
FPS-37070012	10-5-1-1	LL FLR	SMOKE DETECTOR
FPS-37090008	10-6-1-2	LL FLR	SMOKE DETECTOR
FPS-46120002	10-12-1-1	LL135	SMOKE DETECTOR
FPS-38020011	10-8-1-1	LL136	SMOKE DETECTOR
FPS-38020012	10-8-1-1	LL136	SMOKE DETECTOR
FPS-46110007	10-7-1-1	LL148	SMOKE DETECTOR
FPS-46110006	10-7-1-1	LL149	SMOKE DETECTOR
FPS-37100007	10-7-1-1	LL126	SMOKE DETECTOR
FPS-38020009	10-7-1-1	LL135	SMOKE DETECTOR
FPS-38020003	10-7-1-1	LL132	SMOKE DETECTOR
FPS-46110001	10-7-1-1	LL180	SMOKE DETECTOR
FPS-46110003	10-7-1-1	LL175	SMOKE DETECTOR
FPS-37090009	10-5-1-2	LL178	SMOKE DETECTOR
FPS-37090010	10-5-1-2	LL178	SMOKE DETECTOR
FPS-37090011	10-5-1-2	LL178	SMOKE DETECTOR
FPS-37090012	10-5-1-2	LL178	SMOKE DETECTOR
FPS-38020015	10-8-4-1	LL160	SMOKE DETECTOR
FPS-46110010	10-7-1-1	LL170	SMOKE DETECTOR
FPS-46110011	10-7-1-1	LL170	SMOKE DETECTOR
FPS-46110012	10-7-1-1	LL172	SMOKE DETECTOR
FPS-46110013	10-7-1-1	LL172	SMOKE DETECTOR
FPS-46110014	10-7-1-1	LL172	SMOKE DETECTOR

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SMOKE DETECTOR			
FPS-46110004	10-7-1-1	LL173	SMOKE DETECTOR
FPS-38020005	10-7-1-1	LL115	SMOKE DETECTOR
FPS-38020006	10-7-1-1	LL115	SMOKE DETECTOR
FPS-38020007	10-7-1-1	LL115	SMOKE DETECTOR
FPS-38020008	10-7-1-1	LL115	SMOKE DETECTOR
FPS-37100001	10-7-1-1	LL120	SMOKE DETECTOR
FPS-37100003	10-7-1-1	LL120	SMOKE DETECTOR
FPS-37100022	10-7-1-1	LL126	SMOKE DETECTOR
FPS-37100015	10-7-1-1	LL124	SMOKE DETECTOR
FPS-37100006	10-7-1-1	LL101	SMOKE DETECTOR
FPS-37030007	10-1-1-2	LL967	SMOKE DETECTOR
FPS-37030008	10-1-1-2	LL967	SMOKE DETECTOR
FPS-46080005	10-2-1-2	LL896	SMOKE DETECTOR
FPS-46080001	10-2-1-2	LL979	SMOKE DETECTOR
FPS-46080002	10-2-1-2	LL979	SMOKE DETECTOR
FPS-37020012	10-2-1-2	LL985	SMOKE DETECTOR
FPS-37020013	10-2-1-2	LL985	SMOKE DETECTOR
FPS-37080014	10-6-1-1	LL603	SMOKE DETECTOR
FPS-37070004	10-6-1-1	LL600	SMOKE DETECTOR
FPS-37070002	10-6-1-1	LL600	SMOKE DETECTOR
FPS-37050005	10-3-1-1	LL550	SMOKE DETECTOR
FPS-37050006	10-3-1-1	LL501	SMOKE DETECTOR
FPS-37050008	10-3-1-1	LL500	SMOKE DETECTOR
FPS-37090021	10-5-1-2	LL411	SMOKE DETECTOR
FPS-37090022	10-5-1-2	LL411	SMOKE DETECTOR
FPS-37090023	10-5-1-2	LL411	SMOKE DETECTOR
FPS-37070023	10-4-1-1	LL650	SMOKE DETECTOR
FPS-37070024	10-4-1-1	LL650	SMOKE DETECTOR
FPS-37070025	10-4-1-1	LL650	SMOKE DETECTOR
FPS-37070026	10-4-1-1	LL660	SMOKE DETECTOR
FPS-37070027	10-4-1-1	LL660	SMOKE DETECTOR
FPS-37070034	10-4-1-1	LL660	SMOKE DETECTOR
FPS-37060020	10-4-1-1	LL650	SMOKE DETECTOR
FPS-37060021	10-4-1-1	LL650	SMOKE DETECTOR
FPS-37070020	10-4-1-1	LL650	SMOKE DETECTOR
FPS-37070021	10-4-1-1	LL650	SMOKE DETECTOR
FPS-37070022	10-4-1-1	LL650	SMOKE DETECTOR
FPS-37060016	10-4-1-1	LL650	SMOKE DETECTOR
FPS-37080007	10-4-1-1	LL632	SMOKE DETECTOR
FPS-37080012	10-6-1-1	LL618	SMOKE DETECTOR
FPS-37080013	10-6-1-1	LL618	SMOKE DETECTOR
FPS-37080008	10-6-1-1	LL619	SMOKE DETECTOR
FPS-37080009	10-6-1-1	LL619	SMOKE DETECTOR
FPS-37080010	10-6-1-1	LL619	SMOKE DETECTOR
FPS-37080011	10-6-1-1	LL619	SMOKE DETECTOR
FPS-37080015	10-6-1-1	LL610	SMOKE DETECTOR
FPS-37080001	10-6-1-1	LL610	SMOKE DETECTOR
FPS-37040009	10-4-1-1	LL818	SMOKE DETECTOR
FPS-37040010	10-4-1-1	LL818	SMOKE DETECTOR
FPS-37040001	10-2-1-1	LL882	SMOKE DETECTOR
FPS-37040007	10-2-1-1	LL801	SMOKE DETECTOR

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SMOKE DETECTOR			
FPS-37040003	10-2-1-1	LL803	SMOKE DETECTOR
FPS-37040004	10-2-1-1	LL803	SMOKE DETECTOR
FPS-37040005	10-2-1-1	LL804	SMOKE DETECTOR
FPS-46090011	10-4-1-1	LL725	SMOKE DETECTOR
FPS-46090001	10-1-1-1	LL728	SMOKE DETECTOR
FPS-46090002	10-1-1-1	LL728	SMOKE DETECTOR
FPS-46090003	10-1-1-1	LL728	SMOKE DETECTOR
FPS-37040012	10-4-1-1	LL728	SMOKE DETECTOR
FPS-37040013	10-4-1-1	LL728	SMOKE DETECTOR
FPS-37070028	10-4-1-1	LL660	SMOKE DETECTOR
FPS-37070029	10-4-1-1	LL660	SMOKE DETECTOR
FPS-37070030	10-4-1-1	LL660	SMOKE DETECTOR
FPS-37070031	10-4-1-1	LL660	SMOKE DETECTOR
FPS-37070032	10-4-1-1	LL660	SMOKE DETECTOR
FPS-37070033	10-4-1-1	LL660	SMOKE DETECTOR
FPS-37060004	10-4-1-1	LL691	SMOKE DETECTOR
FPS-37060005	10-4-1-1	LL691	SMOKE DETECTOR
FPS-37060001	10-4-1-1	LL693	SMOKE DETECTOR
FPS-37060002	10-4-1-1	LL693	SMOKE DETECTOR
FPS-37060003	10-4-1-1	LL693	SMOKE DETECTOR
FPS-37050001	10-3-1-1	LL705	SMOKE DETECTOR
FPS-37050002	10-3-1-1	LL705	SMOKE DETECTOR
FPS-37050003	10-3-1-1	LL705	SMOKE DETECTOR
FPS-46090012	10-4-1-1	LL725	SMOKE DETECTOR
FPS-46090007	10-4-1-1	LL725	SMOKE DETECTOR
FPS-46090008	10-4-1-1	LL725	SMOKE DETECTOR
SPARE			
FPS-9030143	Monitor	PH-1	SPARE
FPS-9030145	Monitor	PH-1	SPARE
FPS-9040137	Monitor	PH-2	SPARE
FPS-9050131	Monitor	PH-3	SPARE
FPS-9020130	Supervisory	PH-LL	SPARE
FPS-9020155	Monitor	PH-LL	SPARE
FPS-9020145	Monitor	PH-LL	SPARE
FPS-9020147	Monitor	PH-LL	SPARE
FPS-46060135	Monitor	9350	SPARE
FPS-46060155	Monitor	9400	SPARE

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SPRINKLER WATER FLOW			
FPS-9030126	1-16-3-1	1P STAIR12A	SPRINKLER WATER FLOW SWITCH
FPS-9040134	2-16-3-1	2P STAIR12A	SPRINKLER WATER FLOW SWITCH
FPS-9050135	3-16-3-1	3P STAIR12A	SPRINKLER WATER FLOW SWITCH
FPS-9020128	10-16-3-1	LP1008	SPRINKLER WATER FLOW SWITCH
FPS-9020134	10-16-3-1	LP1008	SPRINKLER WATER FLOW SWITCH
FPS-39110143	1-8-3-1	1ST FLR	SPRINKLER WATER FLOW SWITCH
FPS-43050132	2-8-3-1	2ND FLR	SPRINKLER WATER FLOW SWITCH
FPS-42040131	3-8-3-1	3RD FLR	SPRINKLER WATER FLOW SWITCH
FPS-43040135	4-8-3-1	4TH FLR	SPRINKLER WATER FLOW SWITCH
FPS-44040151	5-8-3-1	5TH FLR	SPRINKLER WATER FLOW SWITCH
FPS-45060138	6-3-3-1	6TH FLR	SPRINKLER WATER FLOW SWITCH
FPS-45090128	7-3-3-1	7TH FLR	SPRINKLER WATER FLOW SWITCH
FPS-46020128	8-3-3-1	8TH FLR	SPRINKLER WATER FLOW SWITCH
FPS-46060128	9-3-3-1	9TH FLR	SPRINKLER WATER FLOW SWITCH
FPS-39060139	1-6-3-1	1S STAIR16	SPRINKLER WATER FLOW SWITCH
FPS-39080138	1-6-3-1	1S STAIR15	SPRINKLER WATER FLOW SWITCH
FPS-39110143	1-8-3-1	1ST FLR	SPRINKLER WATER FLOW SWITCH
FPS-39050136	1-4-3-1	1S STAIR18	SPRINKLER WATER FLOW SWITCH
FPS-40050147	2-4-3-2	2FL STR18 MEZZ	SPRINKLER WATER FLOW SWITCH
FPS-43050132	2-8-3-1	2ND FLR	SPRINKLER WATER FLOW SWITCH
FPS-40100135	2-6-3-1	2S STAIR15	SPRINKLER WATER FLOW SWITCH
FPS-40090129	2-6-3-2	2S STAIR16	SPRINKLER WATER FLOW SWITCH
FPS-40040140	2-2-2-2	2S STAIR19	SPRINKLER WATER FLOW SWITCH
FPS-42040131	3-8-3-1	3RD FLR	SPRINKLER WATER FLOW SWITCH
FPS-48030129	3-4-3-1	3FL STR18 MEZZ	SPRINKLER WATER FLOW SWITCH
FPS-42030135	3-6-3-1	3S STAIR15	SPRINKLER WATER FLOW SWITCH
FPS-41030135	3-2-3-1	3S STAIR19	SPRINKLER WATER FLOW SWITCH
FPS-42020141	3-6-3-1	3S STAIR16	SPRINKLER WATER FLOW SWITCH
FPS-43040135	4-8-3-1	4TH FLR	SPRINKLER WATER FLOW SWITCH
FPS-43020131	4-6-3-2	4S STAIR15	SPRINKLER WATER FLOW SWITCH
FPS-42070133	4-2-3-1	4S STAIR19	SPRINKLER WATER FLOW SWITCH
FPS-42080145	4-4-3-1	4S STAIR18	SPRINKLER WATER FLOW SWITCH
FPS-42110146	4-6-3-1	4S STAIR16	SPRINKLER WATER FLOW SWITCH
FPS-45030137	11-3-3-1	5-4W	SPRINKLER WATER FLOW SWITCH
FPS-44040151	5-8-3-1	5TH FLR	SPRINKLER WATER FLOW SWITCH
FPS-43080128	5-3-3-1	5S STAIR4	SPRINKLER WATER FLOW SWITCH
FPS-43070136	5-2-3-1	5S STAIR19	SPRINKLER WATER FLOW SWITCH
FPS-44020131	5-6-3-1	5S STAIR17	SPRINKLER WATER FLOW SWITCH
FPS-45060138	6-3-3-1	6TH FLR	SPRINKLER WATER FLOW SWITCH
FPS-45090128	7-3-3-1	7TH FLR	SPRINKLER WATER FLOW SWITCH
FPS-46020128	8-3-3-1	8TH FLR	SPRINKLER WATER FLOW SWITCH
FPS-46060128	9-3-3-1	9TH FLR	SPRINKLER WATER FLOW SWITCH
FPS-39110149	10-7-3-1	LL-FPS39110149	SPRINKLER WATER FLOW SWITCH
FPS-39020143	1-2-3-1	LL-FPS39020144	SPRINKLER WATER FLOW SWITCH
FPS-37060137	10-4-3-1	LL STAIR18 OUT	SPRINKLER WATER FLOW SWITCH
FPS-37070143	10-15-3-1	LL SPEC PM LOC	SPRINKLER WATER FLOW SWITCH
FPS-38050132	1-1-3-1	LL STAIR19 MEZZ	SPRINKLER WATER FLOW SWITCH
FPS-46080132	10-2-2-1	LLS STAIR20	SPRINKLER WATER FLOW SWITCH
FPS-37030135	10-1-3-2	LLS STAIR19	SPRINKLER WATER FLOW SWITCH
FPS-37110133	10-6-3-2	LLS STAIR15	SPRINKLER WATER FLOW SWITCH
FPS-37080136	10-6-3-1	LLS STAIR16	SPRINKLER WATER FLOW SWITCH

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<u>Equip ID #</u>	<u>Serial #</u>	<u>Location</u>	<u>Description</u>
STANDPIPE WATER FLOW			
FPS-37020136	10-1-2-1	LLS STAIR1	STANDPIPE WATER FLOW SWITCH
FPS-37050127	10-3-2-1	LLS STAIR3	STANDPIPE WATER FLOW SWITCH
FPS-46110130	10-7-2-2	LLS STAIR9	STANDPIPE WATER FLOW SWITCH
FPS-37050135	10-3-2-2	LLS STAIR5	STANDPIPE WATER FLOW SWITCH
FPS-37070137	10-5-2-1	LLS STAIR6	STANDPIPE WATER FLOW SWITCH
FPS-37020128	10-1-2-2	LL-FPS37020129	STANDPIPE WATER FLOW SWITCH
FPS-37070130	10-5-2-2	LL-FPS37070130	STANDPIPE WATER FLOW SWITCH
FPS-37070150	10-4-2-2	LL-FPS37070150	STANDPIPE WATER FLOW SWITCH
FPS-38020142	10-6-2-2	LL-FPS38020143	STANDPIPE WATER FLOW SWITCH
FPS-37090137	10-5-2-2	LL-FPS37090137	STANDPIPE WATER FLOW SWITCH
FPS-37110146	10-8-3-1	LL-FPS37110147	STANDPIPE WATER FLOW SWITCH
STATUS FAN RUNNING			
FPS-46060132	Monitor	9TH FLR	STATUS FAN RUNNING SWITCH
FPS-46060133	Monitor	9TH FLR	STATUS FAN RUNNING SWITCH
FPS-46060142	MonitorK<>	9TH FLR	STATUS FAN RUNNING SWITCH
FPS-46060132	Monitor	9TH FLR	STATUS FAN RUNNING SWITCH
FPS-46060133	Monitor	9TH FLR	STATUS FAN RUNNING SWITCH
FPS-46060142	MonitorK<>	9TH FLR	STATUS FAN RUNNING SWITCH

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<u>Equip ID #</u>	<u>Serial #</u>	<u>Location</u>	<u>Description</u>
TAMPER SWITCH			
FPS-9030127	Supervisory	1P STAIR12A	TAMPER SWITCH
FPS-9030140	Supervisory	1P1008	TAMPER SWITCH
FPS-9030141	Supervisory	1P1008	TAMPER SWITCH
FPS-9030146	Supervisory	1P1008	TAMPER SWITCH
FPS-9030147	Supervisory	1P1008	TAMPER SWITCH
FPS-9040135	Supervisory	2P STAIR12A	TAMPER SWITCH
FPS-9050134	Supervisory	3P STAIR12A	TAMPER SWITCH
FPS-9020129	Supervisory	LP1008	TAMPER SWITCH
FPS-9020135	Supervisory	LP1008	TAMPER SWITCH
FPS-9020136	Supervisory	LP1008	TAMPER SWITCH
FPS-9020137	Supervisory	LP1008	TAMPER SWITCH
FPS-9020148	Supervisory	LP1008	TAMPER SWITCH
FPS-9020149	Supervisory	LP1008	TAMPER SWITCH
FPS-9020139	Supervisory	LP1008	TAMPER SWITCH
FPS-9020127	Supervisory	LLPH MEZ	TAMPER SWITCH
FPS-9020138	Supervisory	PH-LP1008	TAMPER SWITCH
FPS-40050156	Supervisory	2ND FLR	TAMPER SWITCH
FPS-40050155	Supervisory	2ND FLR	TAMPER SWITCH
FPS-43050133	Supervisory	2ND FLR	TAMPER SWITCH
FPS-39080139	Supervisory	1S STAIR15	TAMPER SWITCH
FPS-39110144	Supervisory	1S STAIR11	TAMPER SWITCH
FPS-39060140	Supervisory	1S STAIR16	TAMPER SWITCH
FPS-39050137	Supervisory	1S STAIR18	TAMPER SWITCH
FPS-43050133	Supervisory	2ND FLR	TAMPER SWITCH
FPS-40050148	Supervisory	2FL STR18 MEZZ	TAMPER SWITCH
FPS-40100136	Supervisory	2S STAIR15	TAMPER SWITCH
FPS-40050155	Supervisory	2ND FLR	TAMPER SWITCH
FPS-40040141	Supervisory	2S STAIR19	TAMPER SWITCH
FPS-40090130	Supervisory	2S STAIR16	TAMPER SWITCH
FPS-40050156	Supervisory	2ND FLR	TAMPER SWITCH
FPS-48030130	Supervisory	3FL STR18 MEZZ	TAMPER SWITCH
FPS-42020142	Supervisory	3S STAIR16	TAMPER SWITCH
FPS-41030136	Supervisory	3S STAIR19	TAMPER SWITCH
FPS-42030136	Supervisory	3S STAIR15	TAMPER SWITCH
FPS-42040132	Supervisory	3S STAIR11	TAMPER SWITCH
FPS-42110147	Supervisory	4S STAIR16	TAMPER SWITCH
FPS-42080146	Supervisory	4S STAIR18	TAMPER SWITCH
FPS-42070134	Supervisory	4S STAIR19	TAMPER SWITCH
FPS-43020132	Supervisory	4S STAIR15	TAMPER SWITCH
FPS-43040136	Supervisory	4S STAIR11	TAMPER SWITCH
FPS-44020132	Supervisory	5S STAIR17	TAMPER SWITCH
FPS-43070137	Supervisory	5S STAIR19	TAMPER SWITCH
FPS-44040152	Supervisory	5S STAIR11	TAMPER SWITCH
FPS-45090129	Supervisory	7S STAIR4	TAMPER SWITCH
FPS-46020129	Supervisory	8S STAIR4	TAMPER SWITCH
FPS-46060129	Supervisory	9S STAIR4	TAMPER SWITCH
FPS-46080131	Supervisory	LL FLR	TAMPER SWITCH
FPS-37110147	Supervisory	LL-FPS37110147	TAMPER SWITCH
FPS-37080139	Supervisory	LL-FPS37080139	TAMPER SWITCH
FPS-37090136	Supervisory	LL-FPS37090137	TAMPER SWITCH
FPS-38020143	Supervisory	LL-FPS38020143	TAMPER SWITCH

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<u>Equip ID #</u>	<u>Serial #</u>	<u>Location</u>	<u>Description</u>
TAMPER SWITCH			
FPS-39020144	Supervisory	LL-FPS39020144	TAMPER SWITCH
FPS-39110150	Supervisory	LL-FPS39110149	TAMPER SWITCH
FPS-39080179	Supervisory	LL-FPS39080178	TAMPER SWITCH
FPS-37070151	Supervisory	LL-FPS37070150	TAMPER SWITCH
FPS-37080127	Supervisory	LL-FPS37080127	TAMPER SWITCH
FPS-37070131	Supervisory	LL-FPS37070130	TAMPER SWITCH
FPS-37070144	Supervisory	LL-FPS37070144	TAMPER SWITCH
FPS-37020129	Supervisory	LL-FPS37020129	TAMPER SWITCH
FPS-38050133	Supervisory	LL STAIR19 MEZZ	TAMPER SWITCH
FPS-37060138	Supervisory	LL STAIR18 OUT	TAMPER SWITCH
FPS-38030164	Supervisory	LL227	TAMPER SWITCH
FPS-38030162	Supervisory	LL227	TAMPER SWITCH
FPS-37020137	Supervisory	LLS STAIR1	TAMPER SWITCH
FPS-39110148	Supervisory	LLS STAIR11	TAMPER SWITCH
FPS-37080137	Supervisory	LLS STAIR16	TAMPER SWITCH
FPS-37110134	Supervisory	LLS STAIR15	TAMPER SWITCH
FPS-37050128	Supervisory	LLS STAIR3	TAMPER SWITCH
FPS-46080133	Supervisory	LLS STAIR20	TAMPER SWITCH
FPS-37030136	Supervisory	LLS STAIR19	TAMPER SWITCH
FPS-37030138	Supervisory	LLS STAIR19	TAMPER SWITCH
FPS-46110131	Supervisory	LLS STAIR9	TAMPER SWITCH
FPS-37070138	Supervisory	LLS STAIR6	TAMPER SWITCH
FPS-37050136	Supervisory	LLS STAIR5	TAMPER SWITCH
TAMPER SWITCH - Outside			
FPS-37060136	Supervisory	LL STAIR18 OUT	TAMPER SWITCH - Outside Stairwell #18
TAMPER SWITCH-Removed			
FPS-41050144	Supervisory	3647	TAMPER SWITCH-Removed 3/17/10
FPS-37100154	Supervisory	LL117	TAMPER SWITCH-Removed 3/17/10
TAMPER			
FPS-43080129	Supervisory	5S STAIR4	TAMPER SWITCH-Supervisory
FPS-45030138	Supervisory	5S STAIR4	TAMPER SWITCH-Supervisory
FPS-45060139	Supervisory	6S STAIR4	TAMPER SWITCH-Supervisory
FPS-37080149	Supervisory	LL STAIR16 MEZZ	TAMPER SWITCH-Supervisory

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<u>Equip ID #</u>	<u>Serial #</u>	<u>Location</u>	<u>Description</u>
TEST STATION			
FPS-44040128	5-8-4-1	5250	TEST STATION
FPS-44040147	5-8-4-1	5250	TEST STATION
FPS-44040155	5-8-4-1	5250	TEST STATION
FPS-44040156	5-8-4-1	5250	TEST STATION
FPS-44040157	5-8-4-1	5250	TEST STATION
FPS-44040158	5-8-4-1	5250	TEST STATION
FPS-44040159	5-8-4-1	5250	TEST STATION
FPS-44040150	5-8-4-1	5250	TEST STATION
FPS-44040153	5-8-4-1	5250	TEST STATION
FPS-44040154	5-8-4-1	5250	TEST STATION
FPS-44040141	5-8-4-1	5250	TEST STATION
FPS-44040142	5-8-4-1	5250	TEST STATION
FPS-44040143	5-8-4-1	5250	TEST STATION
FPS-44040144	5-8-4-1	5250	TEST STATION
FPS-44040145	5-8-4-1	5250	TEST STATION
FPS-44040146	5-8-4-1	5250	TEST STATION
FPS-44040135	5-8-4-1	5250	TEST STATION
FPS-44040136	5-8-4-1	5250	TEST STATION
FPS-44040137	5-8-4-1	5250	TEST STATION
FPS-44040138	5-8-4-1	5250	TEST STATION
FPS-44040139	5-8-4-1	5250	TEST STATION
FPS-44040140	5-8-4-1	5250	TEST STATION
FPS-44040129	5-8-4-1	5250	TEST STATION
FPS-44040130	5-8-4-1	5250	TEST STATION
FPS-44040131	5-8-4-1	5250	TEST STATION
FPS-44040132	5-8-4-1	5250	TEST STATION

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<u>Equip ID #</u>	<u>Serial #</u>	<u>Location</u>	<u>Description</u>
TEST SWITCH			
FPS-44030128	5-7-4-1	5150	TEST SWITCH
FPS-44030129	5-7-4-1	5150	TEST SWITCH
FPS-44030130	5-7-4-1	5150	TEST SWITCH
FPS-44030131	5-7-4-1	5150	TEST SWITCH
FPS-44030132	5-7-4-1	5150	TEST SWITCH
FPS-44030133	5-7-4-1	5150	TEST SWITCH
FPS-44030134	5-7-4-1	5150	TEST SWITCH
FPS-44040201	5-8-4-1	5-4E	TEST SWITCH
FPS-43070131	5-2-4-1	5850	TEST SWITCH
FPS-43070132	5-2-4-1	5850	TEST SWITCH
FPS-43070133	5-2-4-1	5850	TEST SWITCH
FPS-43070134	5-2-4-1	5850	TEST SWITCH
FPS-43070135	5-2-4-1	5850	TEST SWITCH
FPS-43070130	5-2-4-1	5850	TEST SWITCH
FPS-43070153	5-1-4-1	5850	TEST SWITCH
FPS-43070154	5-1-4-1	5850	TEST SWITCH
FPS-43070155	5-1-4-1	5850	TEST SWITCH
FPS-43070156	5-1-4-1	5850	TEST SWITCH
FPS-43070147	5-1-4-1	5850	TEST SWITCH
FPS-43070148	5-1-4-1	5850	TEST SWITCH
FPS-43070149	5-1-4-1	5850	TEST SWITCH
FPS-43070140	5-1-4-1	5850	TEST SWITCH
FPS-43070152	5-1-4-1	5850	TEST SWITCH
FPS-43070141	5-2-4-1	5850	TEST SWITCH
FPS-43070142	5-1-4-1	5850	TEST SWITCH
FPS-43070143	5-1-4-1	5850	TEST SWITCH
FPS-43070144	5-1-4-1	5850	TEST SWITCH
FPS-43070145	5-1-4-1	5850	TEST SWITCH
FPS-43070146	5-1-4-1	5850	TEST SWITCH
FPS-43090126	5-4-4-1	5550	TEST SWITCH
FPS-43090127	5-4-4-1	5550	TEST SWITCH
FPS-43090128	5-4-4-1	5550	TEST SWITCH
FPS-43090145	5-4-4-1	5550	TEST SWITCH
FPS-43090146	5-4-4-1	5550	TEST SWITCH
FPS-43090147	5-4-4-1	5550	TEST SWITCH
FPS-43090148	5-4-4-1	5550	TEST SWITCH
FPS-43090149	5-4-4-1	5550	TEST SWITCH
FPS-43090150	5-4-4-1	5550	TEST SWITCH
FPS-43090139	5-4-4-1	5550	TEST SWITCH
FPS-43090140	5-4-4-1	5550	TEST SWITCH
FPS-43090141	5-4-4-1	5550	TEST SWITCH
FPS-43090142	5-4-4-1	5550	TEST SWITCH
FPS-43090133	5-4-4-1	5550	TEST SWITCH
FPS-43090134	5-4-4-1	5550	TEST SWITCH
FPS-43090135	5-4-4-1	5550	TEST SWITCH
FPS-43090136	5-4-4-1	5550	TEST SWITCH
FPS-43090137	5-4-4-1	5550	TEST SWITCH
FPS-43090138	5-4-4-1	5550	TEST SWITCH
FPS-43100126	5-4-4-2	5520	TEST SWITCH
FPS-43060126	5-1-4-1	5750	TEST SWITCH
FPS-43060127	5-1-4-1	5750	TEST SWITCH

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<u>Equip ID #</u>	<u>Serial #</u>	<u>Location</u>	<u>Description</u>
TEST SWITCH			
FPS-43060128	5-1-4-1	5750	TEST SWITCH
FPS-43060129	5-1-4-1	5750	TEST SWITCH
FPS-43060130	5-1-4-1	5750	TEST SWITCH
FPS-43060131	5-1-4-1	5750	TEST SWITCH
FPS-43060132	5-1-4-1	5750	TEST SWITCH
FPS-43060133	5-1-4-1	5750	TEST SWITCH
FPS-43060134	5-1-4-1	5750	TEST SWITCH
FPS-43060135	5-1-4-1	5750	TEST SWITCH
FPS-44020149	5-6-4-1	5450	TEST SWITCH
FPS-43100145	5-4-4-2	5520	TEST SWITCH
FPS-43100146	5-4-4-2	5520	TEST SWITCH
FPS-43100147	5-4-4-2	5520	TEST SWITCH
FPS-43100139	5-4-4-2	5520	TEST SWITCH
FPS-43100140	5-4-4-2	5520	TEST SWITCH
FPS-43100141	5-4-4-2	5520	TEST SWITCH
FPS-43100142	5-4-4-2	5520	TEST SWITCH
FPS-43100143	5-4-4-2	5520	TEST SWITCH
FPS-43100144	5-4-4-2	5520	TEST SWITCH
FPS-43100134	5-4-4-2	5520	TEST SWITCH
FPS-44020133	5-6-4-1	5450	TEST SWITCH
FPS-44020134	5-6-4-1	5450	TEST SWITCH
FPS-44020135	5-6-4-1	5450	TEST SWITCH
FPS-44020136	5-6-4-1	5450	TEST SWITCH
FPS-43100137	5-4-4-2	5520	TEST SWITCH
FPS-43100138	5-4-4-2	5520	TEST SWITCH
FPS-43100127	5-4-4-2	5520	TEST SWITCH
FPS-43100128	5-4-4-2	5520	TEST SWITCH
FPS-43100129	5-4-4-2	5520	TEST SWITCH
FPS-43090151	5-4-4-1	5550	TEST SWITCH
FPS-43090152	5-4-4-1	5550	TEST SWITCH
FPS-43090153	5-4-4-1	5550	TEST SWITCH
FPS-43090154	5-4-4-1	5550	TEST SWITCH
FPS-44020128	5-6-4-1	5450	TEST SWITCH
FPS-44020129	5-6-4-1	5450	TEST SWITCH
FPS-44020130	5-6-4-1	5450	TEST SWITCH
FPS-44020152	5-6-4-1	5450	TEST SWITCH
FPS-44020153	5-6-4-1	5450	TEST SWITCH
FPS-44020154	5-6-4-1	5450	TEST SWITCH
FPS-44020143	5-6-4-1	5450	TEST SWITCH
FPS-44020144	5-6-4-1	5450	TEST SWITCH
FPS-44020145	5-6-4-1	5450	TEST SWITCH
FPS-44020146	5-6-4-1	5450	TEST SWITCH
FPS-44020147	5-6-4-1	5450	TEST SWITCH
FPS-44020148	5-6-4-1	5450	TEST SWITCH
FPS-44020137	5-6-4-1	5450	TEST SWITCH
FPS-44020138	5-6-4-1	5450	TEST SWITCH
FPS-44020139	5-6-4-1	5450	TEST SWITCH
FPS-44020140	5-6-4-1	5450	TEST SWITCH
FPS-44020141	5-6-4-1	5450	TEST SWITCH
FPS-44020142	5-6-4-1	5450	TEST SWITCH

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<u>Equip ID #</u>	<u>Serial #</u>	<u>Location</u>	<u>Description</u>
TRANSFER SWITCH			
FPS-44040164	Monitor	STROGER	TRANSFER SWITCH
FPS-44040165	Monitor	STROGER	TRANSFER SWITCH
FPS-43110141	Monitor	STROGER	TRANSFER SWITCH
FPS-43110142	Monitor	STROGER	TRANSFER SWITCH
FPS-43110143	Monitor	STROGER	TRANSFER SWITCH
FPS-43110147	Monitor	STROGER	TRANSFER SWITCH
FPS-43110148	Monitor	STROGER	TRANSFER SWITCH
FPS-43110149	Monitor	STROGER	TRANSFER SWITCH
FPS-43110150	Monitor	STROGER	TRANSFER SWITCH
FPS-43070179	Monitor	STROGER	TRANSFER SWITCH
FPS-43070180	Monitor	STROGER	TRANSFER SWITCH
FPS-43070175	Monitor	STROGER	TRANSFER SWITCH
FPS-43070176	Monitor	STROGER	TRANSFER SWITCH
FPS-43070177	Monitor	STROGER	TRANSFER SWITCH
FPS-43070178	Monitor	STROGER	TRANSFER SWITCH
FPS-9030142	Monitor	PH-1	TRANSFER SWITCH
FPS-9030144	Monitor	PH-1	TRANSFER SWITCH
FPS-9040136	Monitor	PH-2	TRANSFER SWITCH
FPS-9050130	Monitor	PH-3	TRANSFER SWITCH
FPS-9020144	Monitor	PH-LL	TRANSFER SWITCH
FPS-37100144	Monitor	PH-LL	TRANSFER SWITCH
FPS-37090154	Monitor	PH-LL	TRANSFER SWITCH
FPS-37090155	Monitor	PH-LL	TRANSFER SWITCH
FPS-9020146	Monitor	PH-LL	TRANSFER SWITCH
FPS-37090153	Monitor	PH-LL	TRANSFER SWITCH
FPS-9020154	Monitor	PH-LL	TRANSFER SWITCH
FPS-46060134	Monitor	9TH FLR	TRANSFER SWITCH
FPS-46060141	Monitor	9TH FLR	TRANSFER SWITCH
FPS-43070179	Monitor	STROGER	TRANSFER SWITCH
FPS-43070180	Monitor	STROGER	TRANSFER SWITCH
FPS-43070175	Monitor	STROGER	TRANSFER SWITCH
FPS-43070176	Monitor	STROGER	TRANSFER SWITCH
FPS-43070177	Monitor	STROGER	TRANSFER SWITCH
FPS-43070178	Monitor	STROGER	TRANSFER SWITCH
FPS-43110147	Monitor	STROGER	TRANSFER SWITCH
FPS-43110148	Monitor	STROGER	TRANSFER SWITCH
FPS-43110149	Monitor	STROGER	TRANSFER SWITCH
FPS-43110150	Monitor	STROGER	TRANSFER SWITCH
FPS-43110141	Monitor	STROGER	TRANSFER SWITCH
FPS-43110142	Monitor	STROGER	TRANSFER SWITCH
FPS-43110143	Monitor	STROGER	TRANSFER SWITCH
FPS-44040164	Monitor	STROGER	TRANSFER SWITCH
FPS-44040165	Monitor	STROGER	TRANSFER SWITCH
FPS-46060134	Monitor	9TH FLR	TRANSFER SWITCH
FPS-46060141	Monitor	9TH FLR	TRANSFER SWITCH
WATER FLOW SWITCH			
FPS-9020131	Supervisory	LP1008	WATER FLOW SWITCH

ATTACHMENT #4

John H. Stroger Jr. Hospital of Cook County
STROGER FIRE/SMOKE Stairway Door Inventory

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<u>Equip ID #</u>	<u>Serial #</u>	<u>Location</u>	<u>Description</u>	
FANTUS				
BASEMENT				
FPS9119		F STAIR B-NC	Fire/Smoke Door Inspection	
	BASEMENT	Listed Doors for Floor		
POWER HSE				
1ST FLR				
PH100		1P STAIR12A	Door - Fire-rated, Class B	STAIRS EAST
PH101		1P STAIR12A	Door - Fire-rated, Class B	STAIRS EAST EXTERIOR
PH113		1P STAIR12A	Door - Fire-rated, Class B	STAIRS WEST
	1ST FLR	Listed Doors for Floor		
2ND FLR				
PH200		2P STAIR12A	Door - Fire-rated, Class B	STAIRS EAST
PH203		2P STAIR12A	Door - Fire-rated, Class B	STAIRS EAST
	2ND FLR	Listed Doors for Floor		
3RD FLR				
PH300		3P STAIR12	Door - Fire-rated, Class B	STAIRS EAST
PH308		3P STAIR12A	Door - Fire-rated, Class B	STAIRS WEST
PH315		3P STAIR12	DOOR - NON-FIRE RATED	ROOF TOP
PHCUH-04	700F57461	3P STAIR12	Hot Water Cabinet	
PHCUH-05	700F57458	3P STAIR12A	Hot Water Cabinet	
	3RD FLR	Listed Doors for Floor		
LL FLR				
FPS-L113	C727570	LLP STAIR12	Door - Fire-rated, Class B/Smoke	STAIRWAY #12
PHCUH-01	TOOF57459	LLP STAIR12	Hot Water Cabinet	
PHCUH-02	700F57460	LLP STAIR12A	Hot Water Cabinet	
PHL400	C727570	LLP STAIR12	Door - Fire-rated, Class B	STAIRS EAST
PHL406		LLP STAIR12A	Door - Fire-rated, Class B	STAIRS WEST
	LL FLR	Listed Doors for Floor		
STROGER				
1ST FLR				
FPS-1005	C727812	1S STAIR2	Door - Fire-rated, Class B/Smoke	Stair 2
FPS-1014	C727882	1S STAIR20	Door - Fire-rated, Class B/Smoke	20 STAIRWAY - East door
FPS-1015	C727878	1S STAIR20	Door - Fire-rated, Class B/Smoke	20 STAIRWAY - West door
FPS-1036	C727875	1S STAIR18	Door - Fire-rated, Class B/Smoke	Detex north door-Stairwell #18
FPS-1063	J103538	1S STAIR18	Door - Fire-rated, Class B	Cross corridor door just east of stair 18
FPS-1088	C727874	1S STAIR3	Door - Fire-rated, Class B	Stairway #3 East interior door to auditorium A
FPS-1099	J934036	1S STAIR19	Door - Fire-rated, Class B	#19 Stairway
FPS-1109	C727693	1S STAIR10	Door - Fire-rated, Class B/Smoke	West (inside) door
FPS-1113	C727672	1S STAIR9	Door - Fire-rated, Class B/Smoke	Stair 9
FPS-1156	C727879	1S STAIR16	Door - Fire-rated, Class B	North door from corridor
FPS-1157	C727880	1S STAIR15	Door - Fire-rated, Class B	North door from corridor
FPS-1181	C727877	1S STAIR11	Door - Fire-rated, Class B/Smoke	Stair 11
FPS-1190		1S STAIR5	Door - Glazed Aluminum Entrance, Exterior	STAIRWAY #5 - Exterior Door -Emergency
FPS-1191		1S STAIR3	Door - Glazed Aluminum Entrance, Exterior	Stair 3
FPS-1193		1S STAIR1	Door - Glazed Aluminum Entrance, Exterior	Stairway #1 Exterior Emergency Exit
FPS-1198		1S STAIR18	DOOR - NON-FIRE RATED	Detex Door Exterior
FPS-1199		1S STAIR16	Door - Glazed Aluminum Entrance, Exterior	Exterior
FPS-1200		1S STAIR15	Door - Glazed Aluminum Entrance, Exterior	Exterior South
FPS-1201		1S STAIR11	Door - Glazed Aluminum Entrance, Exterior	Stairway #11 - South Exit Exterior
FPS-1202		1S STAIR10	Door - Glazed Aluminum Entrance, Exterior	Exterior

John H. Stroger Jr. Hospital of Cook County
STROGER FIRE/SMOKE Stairway Door Inventory

<u>Equip ID #</u>	<u>Serial #</u>	<u>Location</u>	<u>Description</u>	
STROGER				
1ST FLR				
FPS-1203		1S STAIR9	Door - Glazed Aluminum Entrance, Exterior	next to 1295 north exit - Exterior
FPS-1204		1S STAIR8	Door - Glazed Aluminum Entrance, Exterior	Stairway #8 exit-north exit - Exterior
FPS-1205		1S STAIR6	Door - Glazed Aluminum Entrance, Exterior	6 Stairwell - North exit - Exterior
1ST FLR Listed Doors for Floor				
2ND FLR				
FPS-2001	C727599	2S STAIR5	Door - Fire-rated, Class B/Smoke	Stair 1
FPS-2009	C727538	2S STAIR3	Door - Fire-rated, Class B/Smoke	STAIRWAY #3 IN PT/OT
FPS-2019	C727546	2S STAIR2	Door - Fire-rated, Class B/Smoke	STAIRWAY #2- South door
FPS-2020	C727536	2S STAIR2	Door - Fire-rated, Class B/Smoke	STAIRWAY #2- East door
FPS-2023	C727553	2S STAIR1	Door - Fire-rated, Class B/Smoke	STAIRWAY #1
FPS-2024	C727537	2S STAIR 20	Door - Fire-rated, Class B/Smoke	Stairway #20 in EKG/Cardiology near Echo
FPS-2028	C727551	2S STAIR19	Door - Fire-rated, Class B/Smoke	STAIRWAY #19
FPS-2040	C727554	2S STAIR18	Door - Fire-rated, Class B/Smoke	Stair 18
FPS-2049	C727542	2S STAIR16	Door - Fire-rated, Class B/Smoke	Stair 16
FPS-2059	C727541	2S STAIR15	Door - Fire-rated, Class B/Smoke	Stair 15
FPS-2091	C727552	2S STAIR6	Door - Fire-rated, Class B/Smoke	Stair 6
FPS-2092	C727540	2S STAIR8	Door - Fire-rated, Class B/Smoke	Inside Clinic J
FPS-2122	C727560	2S STAIR11	Door - Fire-rated, Class B/Smoke	II Stairway-South Door
FPS-2122D		2S STAIR11	Door - Fire-rated, Class B	East Double Door to Ultrasound
FPS-2123	C727544	2S STAIR11	Door - Fire-rated, Class B/Smoke	#11 Stairway-North Door
FPS-2123D		2S STAIR11	Door - Fire-rated, Class B	East Double Door to Ultrasound
FPS-2129	C727555	2S STAIR9	Door - Fire-rated, Class B/Smoke	STAIRWAY #9 - South door
FPS-2129D		2S STAIR9	Door - Fire-rated, Class B	East Double Door to Ultrasound
FPS-2130	C727543	2S STAIR9	Door - Fire-rated, Class B/Smoke	9 STAIRWAY - North door
FPS-2130D		2S STAIR9	Door - Fire-rated, Class B	East Double Door to Ultrasound
WTC-015	0045667940	2S STAIR11	Water Cooler - Near Stairwell	
2ND FLR Listed Doors for Floor				
3RD FLR				
FPS-3007	C727545	3S STAIR2	Door - Fire-rated, Class B/Smoke	STAIRWAY #2 - East Door
FPS-3008	C727572	3S STAIR2	Door - Fire-rated, Class A/Smoke	Stairway #2-North Door
FPS-3011	C727559	3S STAIR19	Door - Fire-rated, Class B/Smoke	Stairway #19-North Door
FPS-3012	C727558	3S STAIR19	Door - Fire-rated, Class B/Smoke	STAIRWAY #19 - East Door
FPS-3018	C727556	3S STAIR18	Door - Fire-rated, Class B/Smoke	STAIRWAY #18
FPS-3021	C727550	3S STAIR16	Door - Fire-rated, Class B/Smoke	STAIRWAY #16
FPS-3044	C727528	3S STAIR15	Door - Fire-rated, Class B/Smoke	Inside Mor. Stairway #15
FPS-3057	C727548	3S STAIR8	Door - Fire-rated, Class B/Smoke	STAIRWAY #8
FPS-3060	C727557	3S STAIR6	Door - Fire-rated, Class B/Smoke	STAIRWAY #6
FPS-3068	C727574	3S STAIR11	Door - Fire-rated, Class B/Smoke	Stairway #11-West Door
FPS-3069	C727571	3S STAIR11	Door - Fire-rated, Class A/Smoke	Stairway #11-North Door
FPS-3072	C727573	3S STAIR9	Door - Fire-rated, Class B/Smoke	STAIRWAY #9 - South door
FPS-3073	C727575	3S STAIR9	Door - Fire-rated, Class B/Smoke	9 STAIRWAY - West Door
FPS-3095	C727561	3S STAIR3	Door - Fire-rated, Class B/Smoke	#3 Stairway-Inside Cardiac Cath.
FPS-3096	C727547	3S STAIR5	Door - Fire-rated, Class B/Smoke	5 STAIRWAY - West area
3RD FLR Listed Doors for Floor				
4TH FLR				
FPS-4001	C727701	4S STAIR16	Door - Fire-rated, Class B/Smoke	STAIRWAY #16
FPS-4011	C727698	4S STAIR5	Door - Fire-rated, Class B/Smoke	Stairwell #5-North of PICU Entrance
FPS-4012	C727712	4S STAIR3	Door - Fire-rated, Class B/Smoke	STAIRWAY #3

<u>Equip ID #</u>	<u>Serial #</u>	<u>Location</u>	<u>Description</u>	
STROGER				
4TH FLR				
FPS-4020	C727714	4S STAIR18	Door - Fire-rated, Class B/Smoke	STAIRWAY #18
FPS-4025	727697	4S STAIR2	Door - Fire-rated, Class B/Smoke	Stairway #2-East Door
FPS-4028	C727695	4S STAIR2	Door - Fire-rated, Class B/Smoke	Stairway #2-South Door
FPS-4032	C727713	4S STAIR19	Door - Fire-rated, Class B/Smoke	STAIRWAY #19
FPS-4045	C727702	4S STAIR11	Door - Fire-rated, Class B/Smoke	Stairway #11-North Door
FPS-4046	C727721	4S STAIR11	Door - Fire-rated, Class B/Smoke	Stairway #11-West Door
FPS-4049	C727696	4S STAIR9	Door - Fire-rated, Class A/Smoke	Stairway #9-South Door
FPS-4050	C727716	4S STAIR9	Door - Fire-rated, Class A/Smoke	Stairway #9-West Door
FPS-4056	C727699	4S STAIR8	Door - Fire-rated, Class B/Smoke	Stairway #8
FPS-4058	C727715	4S STAIR6	Door - Fire-rated, Class B/Smoke	STAIRWAY #6
FPS-4117	C727700	4S STAIR15	Door - Fire-rated, Class B/Smoke	Stairway #15
4TH FLR Listed Doors for Floor				
5TH FLR				
FPS-5001	C727707	5S STAIR16	Door - Fire-rated, Class B/Smoke	STAIRWAY #16
FPS-5004	C727717	5S STAIR17	Door - Fire-rated, Class B/Smoke	STAIRWAY #17
FPS-5012	C727705	5S STAIR18	Door - Fire-rated, Class B/Smoke	STAIRWAY #18
FPS-5013	C727703	5S STAIR19	Door - Fire-rated, Class B/Smoke	STAIRWAY #19
FPS-5014	C727720	5S STAIR2	Door - Fire-rated, Class B/Smoke	Stair Way #2/South DR
FPS-5015	C727719	5S STAIR2	Door - Fire-rated, Class B/Smoke	2 STAIRWELL - North door
FPS-5017	C727675	5S STAIR5	Door - Fire-rated, Class B/Smoke	STAIR WAY #5/ WEST OF PUBLIC
FPS-5018	F502355	5EXT STAIR4	Door - Fire-rated, Class B	OUTSIDE STAIR WAY #4
FPS-5019	C727704	5S STAIR4	Door - Fire-rated, Class B/Smoke	IN PASSAGEWAY OF STAIR WAY #4
FPS-5020	C11288	5S STAIR3	Door - Fire-rated, Class B	IN PASSAGEWAY OF STAIR WAY #3
FPS-5021	C727718	5S STAIR3	Door - Fire-rated, Class B/Smoke	STAIRWAY #3
FPS-5023	C727709	5S STAIR11	Door - Fire-rated, Class B/Smoke	STAIRWAY #11
FPS-5024	C727710	5S STAIR9	Door - Fire-rated, Class B/Smoke	9 Stair Way-North Door
FPS-5025	C727708	5S STAIR9	Door - Fire-rated, Class B/Smoke	Stairway #9-South Door
FPS-5034	C727722	5S STAIR15	Door - Fire-rated, Class B/Smoke	STAIRWAY #15
FPS-5041	C727678	5S STAIR6	Door - Fire-rated, Class B/Smoke	STAIRWAY #6
FPS-5047	C727423	5S STAIR7	Door - Fire-rated, Class B/Smoke	Transfer Stairs Stairway #7
FPS-5048	C11301	5S STAIR7	Door - Fire-rated, Class B	Stairway #7-Exit From Nurse Admin Ofcs
FPS-5050	C727676	5S STAIR4	Door - Fire-rated, Class B/Smoke	STAIRWAY #4 Door to 5th Floor Mezzanine
FPS-5052	C727677	5S STAIR7	Door - Fire-rated, Class B/Smoke	5 Mezzanine Entrance
FPS-5080	C727706	5S STAIR8	Door - Fire-rated, Class B/Smoke	East area - near 5810
FPS-5098	C11248	5S STAIR17	Door - Fire-rated, Class B	Exit Corridor from Stair #17
5TH FLR Listed Doors for Floor				
6TH FLR				
FPS-6001	C72775	6S STAIR4	Door - Fire-rated, Class B/Smoke	STAIRWAY #4
FPS-6005	C727781	6S STAIR7	Door - Fire-rated, Class B/Smoke	STAIRWAY #7 EAST WING
FPS-6014	C727776	6S STAIR17	Door - Fire-rated, Class B/Smoke	STAIRWAY #17 SOUTH WING
6TH FLR Listed Doors for Floor				
7TH FLR				
FPS-7001	C727779	7S STAIR4	Door - Fire-rated, Class B/Smoke	ACROSS FROM 7516/ STAIR WAY #4
FPS-7005	C727782	7S STAIR7	Door - Fire-rated, Class B/Smoke	STAIRWAY #7 7TH FLOOR EAST
FPS-7014	C727777	7S STAIR17	Door - Fire-rated, Class B/Smoke	STAIRWAY #17- SOUTH WING
7TH FLR Listed Doors for Floor				
8TH FLR				
FPS-8001	C727778	8S STAIR4	Door - Fire-rated, Class B/Smoke	STAIRWAY #4 - 8th Floor

John H. Stroger Jr. Hospital of Cook County
STROGER FIRE/SMOKE Stairway Door Inventory

<u>Equip ID #</u>	<u>Serial #</u>	<u>Location</u>	<u>Description</u>	
STROGER				
8TH FLR				
FPS-8005	C727783	8S STAIR7	Door - Fire-rated, Class B/Smoke	STAIRWAY #7 - 8th Floor
FPS-8012	C727780	8S STAIR17	Door - Fire-rated, Class B/Smoke	Stair #17
8TH FLR	Listed Doors for Floor			
9TH FLR				
FPS-9001	C727873	9S STAIR4	Door - Fire-rated, Class B/Smoke	STAIRWAY #4 - 9th Floor
FPS-9004	C727876	9S STAIR7	Door - Fire-rated, Class B/Smoke	STAIRWAY #7 - 9th Floor
9TH FLR	Listed Doors for Floor			
LL FLR				
FPS-L004	C727690	LLS STAIR20	Door - Fire-rated, Class B/Smoke	STAIRWAY #20 - West Door
FPS-L012	C727689	LLS STAIR1	Door - Fire-rated, Class B/Smoke	STAIRWAY #1
FPS-L017	C727681	LLS STAIR19	Door - Fire-rated, Class B/Smoke	STAIRWAY #19 - East Door
FPS-L018	C727687	LLS STAIR19	Door - Fire-rated, Class A/Smoke	STAIRWAY #19 - Lower Level North Door
FPS-L026	C727691	LLS STAIR18	Door - Fire-rated, Class B/Smoke	STAIRWAY #18
FPS-L031	NO READ	LLS STAIR3	Door - Fire-rated, Class B/Smoke	STAIRWAY #3 - South Door
FPS-L032	C727692	LLS STAIR3	Door - Fire-rated, Class B/Smoke	STAIRWAY #3 - West Door
FPS-L042	D727686	LLS STAIR5	Door - Fire-rated, Class B/Smoke	Stairwell #5-South Door
FPS-L043	NO READ	LLS STAIR5	Door - Fire-rated, Class B/Smoke	In Hall Of Stair #5
FPS-L050	F502496	LLS STAIR16	Door - Fire-rated, Class B	STAIRWAY #16 - West Door
FPS-L051	C272567	LLS STAIR16	Door - Fire-rated, Class B/Smoke	STAIRWAY #16
FPS-L052	D970226	LLS STAIR16	Door - Fire-rated, Class B	STAIRWAY #16 - East Door
FPS-L055	C727688	LLS STAIR6	Door - Fire-rated, Class B/Smoke	STAIRWAY #6 /BEHIND ELEVATOR #2
FPS-L063	NO READ	LLS STAIR15	Door - Fire-rated, Class A/Smoke	STAIRWAY #15
FPS-L069	D970226	LLS STAIR11	Door - Fire-rated, Class B	West Door
FPS-L086	C727568	LLS STAIR10	Door - Fire-rated, Class B/Smoke	STAIRWAY #10
FPS-L091	C727566	LLS STAIR9	Door - Fire-rated, Class B/Smoke	STAIRWAY #9
FPS-L094	C390364	LLS STAIR11	Door - Fire-rated, Class B	Stairway #11-East Door
FPS-L095	C390366	LLS STAIR11	Door - Fire-rated, Class A	Stairway #11-West Door
FPS-L096	C727564	LLS STAIR11	Door - Fire-rated, Class B/Smoke	Stairway #11
FPS-L097	C727569	LLS STAIR11	Door - Fire-rated, Class B/Smoke	Stairway #11 -In Hallway
FPS-L110	C727563	LLS STAIR12	Door - Fire-rated, Class A/Smoke	Inside Stair #12
FPS-L114	C727684	LLS STAIR20	Door - Fire-rated, Class B/Smoke	Lower Level Stair #20
FPS-L126	C727683	LLS STAIR2	Door - Fire-rated, Class B/Smoke	Stair 2
L273		LLS STAIR16	Door - Glazed Aluminum Entrance, Exterior	East Exterior Door To Courtyard
L284		LLS STAIR18	DOOR - NON-FIRE RATED	West Courtyard Door
LL FLR	Listed Doors for Floor			

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John H. Stroger Jr. Hospital of Cook County
Automatic / Fire/Smoke Door Inventory

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<u>Equip ID #</u>		<u>Location</u>	
		1ST FLR	
FPS-1001		1840	Door - Fire-rated, Class A/Automatic
FPS-1002MD	FPS-1002	1840	Magnetic Door Control
FPS-1003MD	FPS-1003	1709	Magnetic Door Control
FPS-1005MD	FPS-1005	1S STAIR2	Magnetic Door Control
FPS-1009		1840	Door - Fire-rated, Class B/Automatic
FPS-1011MD	FPS-1011	1860	Magnetic Door Control
FPS-1012MD	FPS-1012	1879	Magnetic Door Control
FPS-1014MD	FPS-1014	1S STAIR20	Magnetic Door Control
FPS-1015MD	FPS-1015	1S STAIR20	Magnetic Door Control
FPS-1018MD	FPS-1018	1900	Magnetic Door Control
FPS-1021MD	FPS-1021	1900	Magnetic Door Control
FPS-1024MD	FPS-1024	1926	Magnetic Door Control
FPS-1025MD	FPS-1025	1950	Magnetic Door Control
FPS-1026MD	FPS-1026	1950	Magnetic Door Control
FPS-1027MD	FPS-1027	1950	Magnetic Door Control
FPS-1029MD	FPS-1029	1970	Magnetic Door Control
FPS-1034MD	FPS-1034	1989	Magnetic Door Control
FPS-1035MD	FPS-1035	1989	Magnetic Door Control
FPS-1036MD	FPS-1036	1S STAIR18	Magnetic Door Control
FPS-1038MD	FPS-1038	1ST FLR	Magnetic Door Control
FPS-1039MD	FPS-1039	1B FIRSMK DRS	Magnetic Door Control
FPS-1040MD	FPS-1040	1730	Magnetic Door Control
FPS-1041MD	FPS-1041	1716	Magnetic Door Control
FPS-1042MD	FPS-1042	1739	Magnetic Door Control
FPS-1043		1739	Door - Fire-rated, Class A/Automatic
FPS-1044		1729	Door - Fire-rated, Class C/Automatic
FPS-1045MD	FPS-1045	1705	Magnetic Door Control
FPS-1046MD	FPS-1046	1705	Magnetic Door Control
FPS-1048MD	FPS-1048	1705	Magnetic Door Control
FPS-1049MD	FPS-1049	1705	Magnetic Door Control
FPS-1052MD	FPS-1052	1709	Magnetic Door Control
FPS-1053		1710	Door - Fire-rated, Class B/Automatic
FPS-1054		1760	Door - Fire-rated, Class B/Automatic
FPS-1055		1760	Door - Fire-rated, Class B/Automatic
FPS-1056MD	FPS-1056	1778	Magnetic Door Control
FPS-1058		1860	Door - Fire-rated, Class C/Automatic
FPS-1061MD	FPS-1061	1697	Magnetic Door Control
FPS-1062MD	FPS-1062	1697	Magnetic Door Control
FPS-1065MD	FPS-1065	1552	Magnetic Door Control
FPS-1066MD	FPS-1066	1552	Magnetic Door Control
FPS-1067MD	FPS-1067	1551	Magnetic Door Control
FPS-1068MD	FPS-1068	1500S	Magnetic Door Control
FPS-1070MD	FPS-1070	1549	Magnetic Door Control
FPS-1072MD	FPS-1072	1542	Magnetic Door Control

John H. Stroger Jr. Hospital of Cook County
Automatic / Fire/Smoke Door Inventory

<u>Equip ID #</u>		<u>Location</u>	
1ST FLR			
FPS-1073MD	FPS-1073	1537	Magnetic Door Control
FPS-1080MD	FPS-1080	1690B	Magnetic Door Control
FPS-1081MD	FPS-1081	1690B	Magnetic Door Control
FPS-1085MD	FPS-1085	1593	Magnetic Door Control
FPS-1086MD	FPS-1086	1593	Magnetic Door Control
FPS-1087MD	FPS-1087	1690A	Magnetic Door Control
FPS-1090MD	FPS-1090	1690B	Magnetic Door Control
FPS-1091MD	FPS-1091	1690B	Magnetic Door Control
FPS-1092MD	FPS-1092	1690C	Magnetic Door Control
FPS-1093MD	FPS-1093	1690C	Magnetic Door Control
FPS-1105MD	FPS-1105	1110	Magnetic Door Control
FPS-1106MD	FPS-1106	1110	Magnetic Door Control
FPS-1109MD	FPS-1109	1S STAIR10	Magnetic Door Control
FPS-1113MD	FPS-1113	1S STAIR9	Magnetic Door Control
FPS-1128MD	FPS-1128	1310	Magnetic Door Control
FPS-1129MD	FPS-1129	1315	Magnetic Door Control
FPS-1133MD	FPS-1133	1354	Magnetic Door Control
FPS-1134MD	FPS-1134	1354	Magnetic Door Control
FPS-1139MD	FPS-1139	1491	Magnetic Door Control
FPS-1140MD	FPS-1140	1491	Magnetic Door Control
FPS-1141MD	FPS-1141	1402	Magnetic Door Control
FPS-1142MD	FPS-1142	1502	Magnetic Door Control
FPS-1143MD	FPS-1143	1450	Magnetic Door Control
FPS-1144MD	FPS-1144	1453	Magnetic Door Control
FPS-1152MD	FPS-1152	1476	Magnetic Door Control
FPS-1154MD	FPS-1154	1476	Magnetic Door Control
FPS-1155MD	FPS-1155	1476	Magnetic Door Control
FPS-1156MD	FPS-1156	1S STAIR16	Magnetic Door Control
FPS-1157MD	FPS-1157	1S STAIR15	Magnetic Door Control
FPS-1160MD	FPS-1160	1451	Magnetic Door Control
FPS-1161MD	FPS-1161	1451	Magnetic Door Control
FPS-1163MD	FPS-1163	1312	Magnetic Door Control
FPS-1164MD	FPS-1164	1312	Magnetic Door Control
FPS-1166MD	FPS-1166	1313	Magnetic Door Control
FPS-1167MD	FPS-1167	1313	Magnetic Door Control
FPS-1168MD	FPS-1168	1313	Magnetic Door Control
FPS-1172MD	FPS-1172	1250	Magnetic Door Control
FPS-1174MD	FPS-1174	1230	Magnetic Door Control
FPS-1181MD	FPS-1181	1S STAIR11	Magnetic Door Control
FPS-1183MD	FPS-1183	1189	Magnetic Door Control
FPS-1191MD	FPS-1191	1S STAIR3	Magnetic Door Control
2ND FLR			
FPS-2001MD	FPS-2001	2S STAIR5	Magnetic Door Control
FPS-2003MD	FPS-2003	2640	Magnetic Door Control

John H. Stroger Jr. Hospital of Cook County
Automatic / Fire/Smoke Door Inventory

<u>Equip ID #</u>		<u>Location</u>	
		2ND FLR	
FPS-2004MD	FPS-2004.	2640	Magnetic Door Control
FPS-2005MD	FPS-2005	2601	Magnetic Door Control
FPS-2006MD	FPS-2006	2601	Magnetic Door Control
FPS-2008MD	FPS-2008	2630	Magnetic Door Control
FPS-2009MD	FPS-2009	2S STAIR3	Magnetic Door Control
FPS-2010MD	FPS-2010	2702	Magnetic Door Control
FPS-2011MD	FPS-2011	2702	Magnetic Door Control
FPS-2012MD	FPS-2012	2702	Magnetic Door Control
FPS-2013MD	FPS-2013	2702	Magnetic Door Control
FPS-2014MD	FPS-2014	2705	Magnetic Door Control
FPS-2015MD	FPS-2015	2705	Magnetic Door Control
FPS-2016MD	FPS-2016	2704	Magnetic Door Control
FPS-2019MD	FPS-2019	2S STAIR2	Magnetic Door Control
FPS-2020MD	FPS-2020	2S STAIR2	Magnetic Door Control
FPS-2021		2780	Door - Fire-rated, Class B/Automatic
FPS-2023MD	FPS-2023	2S STAIR1	Magnetic Door Control
FPS-2024MD	FPS-2024	2S STAIR 20	Magnetic Door Control
FPS-2027MD	FPS-2027	2880	Magnetic Door Control
FPS-2028MD	FPS-2028	2S STAIR19	Magnetic Door Control
FPS-2029MD	FPS-2029	2882	Magnetic Door Control
FPS-2030MD	FPS-2030	2882	Magnetic Door Control
FPS-2031MD	FPS-2031	2877	Magnetic Door Control
FPS-2032MD	FPS-2032	2877	Magnetic Door Control
FPS-2040MD	FPS-2040	2S STAIR18	Magnetic Door Control
FPS-2047MD	FPS-2047	2555	Magnetic Door Control
FPS-2048MD	FPS-2048	2555	Magnetic Door Control
FPS-2049MD	FPS-2049	2S STAIR16	Magnetic Door Control
FPS-2050MD	FPS-2050	2555	Magnetic Door Control
FPS-2051MD	FPS-2051	2555	Magnetic Door Control
FPS-2052MD	FPS-2052	2505	Magnetic Door Control
FPS-2053MD	FPS-2053	2505	Magnetic Door Control
FPS-2054MD	FPS-2054	2601	Magnetic Door Control
FPS-2055MD	FPS-2055	2601	Magnetic Door Control
FPS-2057MD	FPS-2057	2600	Magnetic Door Control
FPS-2058MD	FPS-2058	2600	Magnetic Door Control
FPS-2059MD	FPS-2059	2S STAIR15	Magnetic Door Control
FPS-2062MD	FPS-2062	2521	Magnetic Door Control
FPS-2070MD	FPS-2070	2440	Magnetic Door Control
FPS-2073		2509	Door - Fire-rated, Class B/Automatic
FPS-2083MD	FPS-2083	2388	Magnetic Door Control
FPS-2085MD	FPS-2085	2388	Magnetic Door Control
FPS-2091MD	FPS-2091	2S STAIR6	Magnetic Door Control
FPS-2092MD	FPS-2092	2S STAIR8	Magnetic Door Control
FPS-2094MD	FPS-2094	2340	Magnetic Door Control

John H. Stroger Jr. Hospital of Cook County

Automatic / Fire/Smoke Door Inventory

<u>Equip ID #</u>		<u>Location</u>	
2ND FLR			
FPS-2095MD	FPS-2095	2340	Magnetic Door Control
FPS-2099MD	FPS-2099	2305	Magnetic Door Control
FPS-2100MD	FPS-2100	2305	Magnetic Door Control
FPS-2104		2452	Door - Fire-rated, Class B/Automatic
FPS-2153		2540	Door - Fire-rated, Class C/Automatic
2204MD	2204	2869	Magnetic Door Control
2205MD	2205	2726	Magnetic Door Control
3RD FLR			
3200MD	3200	3310	Magnetic Door Control
3202MD	3202	3640	Magnetic Door Control
3203MD	3203	3908	Magnetic Door Control
3204MD	3204	3923	Magnetic Door Control
3205MD	3205	3827	Magnetic Door Control
3206MD	3206	3810	Magnetic Door Control
3207MD	3207	3722	Magnetic Door Control
3208MD	3208	3711	Magnetic Door Control
3209MD	3209	3121	Magnetic Door Control
3211MD	3211	3110	Magnetic Door Control
3212MD	3212	3026	Magnetic Door Control
3215MD	3215	3563	Magnetic Door Control
3217MD	3217	3571	Magnetic Door Control
FPS-3001MD	FPS-3001	3700	Magnetic Door Control
FPS-3002MD	FPS-3002	3700	Magnetic Door Control
FPS-3003MD	FPS-3003	3700	Magnetic Door Control
FPS-3006		3700W	Door - Fire-rated, Class A/Automatic
FPS-3007MD	FPS-3007	3S STAIR2	Magnetic Door Control
FPS-3008MD	FPS-3008	3S STAIR2	Magnetic Door Control
FPS-3009MD	FPS-3009	3800	Magnetic Door Control
FPS-3010		3800	Door - Fire-rated, Class B/Automatic
FPS-3011MD	FPS-3011	3S STAIR19	Magnetic Door Control
FPS-3012MD	FPS-3012	3S STAIR19	Magnetic Door Control
FPS-3013		3900	Door - Fire-rated, Class B/Automatic
FPS-3014MD	FPS-3014	3904	Magnetic Door Control
FPS-3015MD	FPS-3015	3900	Magnetic Door Control
FPS-3016MD	FPS-3016	3900	Magnetic Door Control
FPS-3017MD	FPS-3017	3525	Magnetic Door Control
FPS-3018MD	FPS-3018	3S STAIR18	Magnetic Door Control
FPS-3019MD	FPS-3019	3457	Magnetic Door Control
FPS-3020MD	FPS-3020	3457	Magnetic Door Control
FPS-3021MD	FPS-3021	3S STAIR16	Magnetic Door Control
FPS-3022MD	FPS-3022	3561	Magnetic Door Control
FPS-3023MD	FPS-3023	3561	Magnetic Door Control
FPS-3024		3450	Door - Fire-rated, Class B/Automatic
FPS-3025MD	FPS-3025	3451	Magnetic Door Control

John H. Stroger Jr. Hospital of Cook County
Automatic / Fire/Smoke Door Inventory

<u>Equip ID #</u>		<u>Location</u>	
		3RD FLR	
FPS-3026MD	FPS-3026	3451	Magnetic Door Control
FPS-3027MD	FPS-3027	3451	Magnetic Door Control
FPS-3028MD	FPS-3028	3510	Magnetic Door Control
FPS-3029		3524	Door - Fire-rated, Class A/Automatic
FPS-3030MD	FPS-3030	3525	Magnetic Door Control
FPS-3031MD	FPS-3031	3684	Magnetic Door Control
FPS-3032MD	FPS-3032	3RD FLR	Magnetic Door Control
FPS-3033MD	FPS-3033	3675	Magnetic Door Control
FPS-3034MD	FPS-3034	3601	Magnetic Door Control
FPS-3035MD	FPS-3035	3602	Magnetic Door Control
FPS-3036MD	FPS-3036	3602	Magnetic Door Control
FPS-3037MD	FPS-3037	3620	Magnetic Door Control
FPS-3038		3620	Door - Fire-rated, Class A/Automatic
FPS-3039MD	FPS-3039	3RD FLR	Magnetic Door Control
FPS-3041MD	FPS-3041	3458	Magnetic Door Control
FPS-3042MD	FPS-3042	3466	Magnetic Door Control
FPS-3043MD	FPS-3043	3466	Magnetic Door Control
FPS-3044MD	FPS-3044	3S STAIR15	Magnetic Door Control
FPS-3053MD	FPS-3053	3421	Magnetic Door Control
FPS-3054MD	FPS-3054	3421	Magnetic Door Control
FPS-3057MD	FPS-3057	3S STAIR8	Magnetic Door Control
FPS-3060MD	FPS-3060	3S STAIR6	Magnetic Door Control
FPS-3062MD	FPS-3062	3RD FLR	Magnetic Door Control
FPS-3063MD	FPS-3063	3RD FLR	Magnetic Door Control
FPS-3064MD	FPS-3064	3S EAST	Magnetic Door Control
FPS-3065MD	FPS-3065	3S EAST	Magnetic Door Control
FPS-3066		3200	Door - Fire-rated, Class B/Automatic
FPS-3067		3200	Door - Fire-rated, Class A/Automatic
FPS-3068MD	FPS-3068	3S STAIR11	Magnetic Door Control
FPS-3069MD	FPS-3069	3S STAIR11	Magnetic Door Control
FPS-3070		3100	Door - Fire-rated, Class A/Automatic
FPS-3071MD	FPS-3071	3100	Magnetic Door Control
FPS-3072MD	FPS-3072	3S STAIR9	Magnetic Door Control
FPS-3073MD	FPS-3073	3S STAIR9	Magnetic Door Control
FPS-3074		3021	Door - Fire-rated, Class B/Automatic
FPS-3075MD	FPS-3075	3000	Magnetic Door Control
FPS-3076MD	FPS-3076	3S EAST	Magnetic Door Control
FPS-3077MD	FPS-3077	3S EAST	Magnetic Door Control
FPS-3095MD	FPS-3095	3S STAIR3	Magnetic Door Control
FPS-3096MD	FPS-3096	3S STAIR5	Magnetic Door Control
FPS-3098		3D WEST	Door - Fire-rated, Class C/Automatic
FPS-3099		3D EAST	Door - Fire-rated, Class C/Automatic
FPS-3123		3206	Door - Fire-rated, Class C/Automatic
FPS-3124		3222	Door - Fire-rated, Class C/Automatic

John H. Stroger Jr. Hospital of Cook County
Automatic / Fire/Smoke Door Inventory

<u>Equip ID #</u>		<u>Location</u>	
		4TH FLR	
FPS-4001MD	FPS-4001	4S STAIR16	Magnetic Door Control
FPS-4003MD	FPS-4003	4501	Magnetic Door Control
FPS-4004MD	FPS-4004	4501	Magnetic Door Control
FPS-4005MD	FPS-4005	4603	Magnetic Door Control
FPS-4006MD	FPS-4006	4603	Magnetic Door Control
FPS-4007MD	FPS-4007	4394	Magnetic Door Control
FPS-4008MD	FPS-4008	4394	Magnetic Door Control
FPS-4009MD	FPS-4009	4395	Magnetic Door Control
FPS-4010MD	FPS-4010	4395	Magnetic Door Control
FPS-4011MD	FPS-4011	4S STAIR5	Magnetic Door Control
FPS-4012MD	FPS-4012	4S STAIR3	Magnetic Door Control
FPS-4016MD	FPS-4016	4519	Magnetic Door Control
FPS-4019		4518	Door - Fire-rated, Class B/Automatic
FPS-4020MD	FPS-4020	4S STAIR18	Magnetic Door Control
FPS-4021		4550	Door - Fire-rated, Class B/Automatic
FPS-4022MD	FPS-4022	4754	Magnetic Door Control
FPS-4023MD	FPS-4023	4754	Magnetic Door Control
FPS-4024MD	FPS-4024	4760	Magnetic Door Control
FPS-4025MD	FPS-4025	4S STAIR2	Magnetic Door Control
FPS-4026		4700	Door - Fire-rated, Class A/Automatic
FPS-4027MD	FPS-4027	4800	Magnetic Door Control
FPS-4028MD	FPS-4028	4S STAIR2	Magnetic Door Control
FPS-4029		4800	Door - Fire-rated, Class B/Automatic
FPS-4030MD	FPS-4030	4B FIRSMK DRS	Magnetic Door Control
FPS-4031		4900	Door - Fire-rated, Class B/Automatic
FPS-4032MD	FPS-4032	4S STAIR19	Magnetic Door Control
FPS-4036MD	FPS-4036	4900	Magnetic Door Control
FPS-4037MD	FPS-4037	4984	Magnetic Door Control
FPS-4038MD	FPS-4038	4984	Magnetic Door Control
FPS-4039MD	FPS-4039	4082	Magnetic Door Control
FPS-4040MD	FPS-4040	4082	Magnetic Door Control
FPS-4044		4200	Door - Fire-rated, Class B/Automatic
FPS-4045MD	FPS-4045	4S STAIR11	Magnetic Door Control
FPS-4046MD	FPS-4046	4S STAIR11	Magnetic Door Control
FPS-4047		4100	Door - Fire-rated, Class B/Automatic
FPS-4049MD	FPS-4049	4S STAIR9	Magnetic Door Control
FPS-4050MD	FPS-4050	4S STAIR9	Magnetic Door Control
FPS-4051		4000	Door - Fire-rated, Class A/Automatic
FPS-4055MD	FPS-4055	4000	Magnetic Door Control
FPS-4056MD	FPS-4056	4S STAIR8	Magnetic Door Control
FPS-4058MD	FPS-4058	4S STAIR6	Magnetic Door Control
FPS-4060MD	FPS-4060	4TH FLR	Magnetic Door Control
FPS-4061MD	FPS-4061	4TH FLR	Magnetic Door Control
FPS-4067MD	FPS-4067	4431	Magnetic Door Control

John H. Stroger Jr. Hospital of Cook County

Automatic / Fire/Smoke Door Inventory

<u>Equip ID #</u>		<u>Location</u>	
		4TH FLR	
FPS-4068MD	FPS-4068	4441	Magnetic Door Control
FPS-4069MD	FPS-4069	4441	Magnetic Door Control
FPS-4070		4440	Door - Fire-rated, Class A/Automatic
FPS-4071MD	FPS-4071	4489	Magnetic Door Control
FPS-4072MD	FPS-4072	4479	Magnetic Door Control
FPS-4073MD	FPS-4073	4465	Magnetic Door Control
FPS-4074		4470	Door - Fire-rated, Class B/Automatic
FPS-4077		4420	Door - Fire-rated, Class B/Automatic
FPS-4095		4632	Door - Fire-rated, Class C/Automatic
FPS-4117MD	FPS-4117	4S STAIR15	Magnetic Door Control
FPS-4120		4416	Door - Fire-rated, Class C/Automatic
FPS-4121		4310	Door - Fire-rated, Class C/Automatic
4200MD	4200	4012	Magnetic Door Control
4201MD	4201	4000	Magnetic Door Control
4202MD	4202	4112	Magnetic Door Control
4203MD	4203	4123	Magnetic Door Control
4204MD	4204	4200	Magnetic Door Control
4205MD	4205	4212	Magnetic Door Control
4206MD	4206	4488	Magnetic Door Control
4208		4507	Door - Fire-rated, Class C/Automatic
4209		4518	Door - Fire-rated, Class C/Automatic
4210MD	4210	4700A	Magnetic Door Control
4211MD	4211	4700	Magnetic Door Control
4212MD	4212	4806	Magnetic Door Control
4213MD	4213	4821	Magnetic Door Control
4214MD	4214	4900B	Magnetic Door Control
4215MD	4215	4900	Magnetic Door Control
4217MD	4217	4633	Magnetic Door Control
4218MD	4218	4573	Magnetic Door Control
		5TH FLR	
FPS-5001MD	FPS-5001	5S STAIR16	Magnetic Door Control
FPS-5004MD	FPS-5004	5S STAIR17	Magnetic Door Control
FPS-5012MD	FPS-5012	5S STAIR18	Magnetic Door Control
FPS-5013MD	FPS-5013	5S STAIR19	Magnetic Door Control
FPS-5014MD	FPS-5014	5S STAIR2	Magnetic Door Control
FPS-5015MD	FPS-5015	5S STAIR2	Magnetic Door Control
FPS-5017MD	FPS-5017	5S STAIR5	Magnetic Door Control
FPS-5019MD	FPS-5019	5S STAIR4	Magnetic Door Control
FPS-5021MD	FPS-5021	5S STAIR3	Magnetic Door Control
FPS-5023MD	FPS-5023	5S STAIR11	Magnetic Door Control
FPS-5024MD	FPS-5024	5S STAIR9	Magnetic Door Control
FPS-5025MD	FPS-5025	5S STAIR9	Magnetic Door Control
FPS-5034MD	FPS-5034	5S STAIR15	Magnetic Door Control
FPS-5041MD	FPS-5041	5S STAIR6	Magnetic Door Control

John H. Stroger Jr. Hospital of Cook County
Automatic / Fire/Smoke Door Inventory

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<u>Equip ID #</u>		<u>Location</u>	
5TH FLR			
FPS-5047MD	FPS-5047	5S STAIR7	Magnetic Door Control
FPS-5050MD	FPS-5050	5S STAIR4	Magnetic Door Control
FPS-5052MD	FPS-5052	5S STAIR7	Magnetic Door Control
FPS-5080MD	FPS-5080	5S STAIR8	Magnetic Door Control
6TH FLR			
FPS-6001MD	FPS-6001	6S STAIR4	Magnetic Door Control
FPS-6002MD	FPS-6002	6501	Magnetic Door Control
FPS-6003MD	FPS-6003	6301	Magnetic Door Control
FPS-6004MD	FPS-6004	6301	Magnetic Door Control
FPS-6005MD	FPS-6005	6S STAIR7	Magnetic Door Control
FPS-6008MD	FPS-6008	6TH FLR D	Magnetic Door Control
FPS-6009MD	FPS-6009	6TH FLR C	Magnetic Door Control
FPS-6010MD	FPS-6010	6TH FLR C	Magnetic Door Control
FPS-6011MD	FPS-6011	6TH FLR D	Magnetic Door Control
FPS-6012MD	FPS-6012	6562	Magnetic Door Control
FPS-6014MD	FPS-6014	6S STAIR17	Magnetic Door Control
7TH FLR			
FPS-7001MD	FPS-7001	7S STAIR4	Magnetic Door Control
FPS-7002MD	FPS-7002	7501	Magnetic Door Control
FPS-7003MD	FPS-7003	7301	Magnetic Door Control
FPS-7004MD	FPS-7004	7301	Magnetic Door Control
FPS-7005MD	FPS-7005	7S STAIR7	Magnetic Door Control
FPS-7008MD	FPS-7008	7TH FLR	Magnetic Door Control
FPS-7009MD	FPS-7009	7S ELEV	Magnetic Door Control
FPS-7010MD	FPS-7010	7S ELEV	Magnetic Door Control
FPS-7011MD	FPS-7011	7W ELEV	Magnetic Door Control
FPS-7012MD	FPS-7012	7W ELEV	Magnetic Door Control
FPS-7014MD	FPS-7014	7S STAIR17	Magnetic Door Control
8TH FLR			
FPS-8001MD	FPS-8001	8S STAIR4	Magnetic Door Control
FPS-8002MD	FPS-8002	8501	Magnetic Door Control
FPS-8003MD	FPS-8003	8301	Magnetic Door Control
FPS-8004MD	FPS-8004	8302	Magnetic Door Control
FPS-8005MD	FPS-8005	8S STAIR7	Magnetic Door Control
FPS-8008MD	FPS-8008	8361	Magnetic Door Control
FPS-8009MD	FPS-8009	8562	Magnetic Door Control
FPS-8010MD	FPS-8010	8562	Magnetic Door Control
FPS-8011MD	FPS-8011	8550	Magnetic Door Control
FPS-8012MD	FPS-8012	8S STAIR17	Magnetic Door Control
FPS-8015MD	FPS-8015	8TH FLR	Magnetic Door Control
FPS-8016MD	FPS-8016	8TH FLR	Magnetic Door Control
8100MD	8100	8361	Magnetic Door Control
9TH FLR			
FPS-9001MD	FPS-9001	9S STAIR4	Magnetic Door Control

John H. Stroger Jr. Hospital of Cook County
Automatic / Fire/Smoke Door Inventory

<u>Equip ID #</u>	<u>Location</u>	
9TH FLR		
FPS-9004MD FPS-9004	9S STAIR7	Magnetic Door Control
LL FLR		
FPS-L005MD FPS-L005	LL882	Magnetic Door Control
FPS-L006MD FPS-L006	LL896	Magnetic Door Control
FPS-L007MD FPS-L007	LL896	Magnetic Door Control
FPS-L019MD FPS-L019	LL750	Magnetic Door Control
FPS-L022MD FPS-L022	LL960	Magnetic Door Control
FPS-L023MD FPS-L023	LL960	Magnetic Door Control
FPS-L024MD FPS-L024	LL662	Magnetic Door Control
FPS-L025MD FPS-L025	LL662	Magnetic Door Control
FPS-L028MD FPS-L028	LL822	Magnetic Door Control
FPS-L029MD FPS-L029	LLBANK 3SL	Magnetic Door Control
FPS-L030MD FPS-L030	LLBANK 3SL	Magnetic Door Control
FPS-L033MD FPS-L033	LLBANK 3SR	Magnetic Door Control
FPS-L034MD FPS-L034	LLBANK 3SR	Magnetic Door Control
FPS-L036MD FPS-L036	LL660	Magnetic Door Control
FPS-L037MD FPS-L037	LL660	Magnetic Door Control
FPS-L038MD FPS-L038	LL660	Magnetic Door Control
FPS-L039MD FPS-L039	LL660	Magnetic Door Control
FPS-L044MD FPS-L044	LL600	Magnetic Door Control
FPS-L045MD FPS-L045	LL600	Magnetic Door Control
FPS-L046MD FPS-L046	LL600	Magnetic Door Control
FPS-L047MD FPS-L047	LL600	Magnetic Door Control
FPS-L051MD FPS-L051	LLS STAIR16	Magnetic Door Control
FPS-L053MD FPS-L053	LL480	Magnetic Door Control
FPS-L054MD FPS-L054	LL480	Magnetic Door Control
FPS-L058MD FPS-L058	LL603	Magnetic Door Control
FPS-L060MD FPS-L060	LL425	Magnetic Door Control
FPS-L061MD FPS-L061	LL372	Magnetic Door Control
FPS-L062MD FPS-L062	LL372	Magnetic Door Control
FPS-L064MD FPS-L064	LL280	Magnetic Door Control
FPS-L065MD FPS-L065	LL280	Magnetic Door Control
FPS-L066MD FPS-L066	LL289	Magnetic Door Control
FPS-L067MD FPS-L067	LL289	Magnetic Door Control
FPS-L068	LL220	Door - Fire-rated, Class B/Automatic
FPS-L070,D FPS-L070	LL201	Magnetic Door Control
FPS-L070MD FPS-L070	LL201	Magnetic Door Control
FPS-L071MD FPS-L071	LL201	Magnetic Door Control
FPS-L074MD FPS-L074	LL350	Magnetic Door Control
FPS-L076MD FPS-L076	LL350	Magnetic Door Control
FPS-L077MD FPS-L077	LL350	Magnetic Door Control
FPS-L078	LL310	Door - Fire-rated, Class A/Automatic
FPS-L079	LL310	Door - Fire-rated, Class A/Automatic
FPS-L080MD FPS-L080	LL309	Magnetic Door Control

John H. Stroger Jr. Hospital of Cook County
Automatic / Fire/Smoke Door Inventory

<u>Equip ID #</u>		<u>Location</u>	
		LL FLR	
FPS-L081MD	FPS-L081	LL309	Magnetic Door Control
FPS-L088MD	FPS-L088	LL117	Magnetic Door Control
FPS-L089MD	FPS-L089	LL117	Magnetic Door Control
FPS-L092MD	FPS-L092	LL184	Magnetic Door Control
FPS-L100MD	FPS-L100	LL274	Magnetic Door Control
FPS-L111MD	FPS-L111	LL271	Magnetic Door Control
FPS-L112MD	FPS-L112	LL271	Magnetic Door Control
L225		LL274	Door - Fire-rated, Class B/Automatic
L248		LL100	Door - Fire-rated, Class A/Automatic
L256MD	L256	LL345	Magnetic Door Control
L257MD	L257	STAFF 2 LL FLR	Magnetic Door Control
L266MD	L266	LL606	Magnetic Door Control
L270MD	L270	LL652	Magnetic Door Control

Please ensure that all payments after May 1st, 2013 are addressed to the new remit to address.

If you have any questions regarding this change – please contact our office. Thanks for your cooperation!

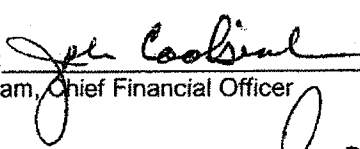
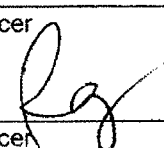
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<u>Equip ID #</u>	<u>Serial #</u>	<u>Location Description</u>	
FPS-1220	788239	1120	Stroger-1st Flr-Rm 1120-Security Clerical/Reception
FPS-1221	510112	1820	Stroger-1st Flr-Rm 1820- ER Waiting Room
FPS-1222	788532	1813	Stroger-1st Flr-Rm 1813-ER Clinical Nurse
1ST FLR		Total Fire Shutter Door for Floor 3	
FPS-3127	855715	3000	Stroger-3rd Flr-Rm 3000-Surgical ICU (SICU)
FPS-3220	788458	3418	Stroger-3rd Flr-Rm 3418-OR Pharmacy
3RD FLR		Total Fire Shutter Door for Floor 2	
FPS-4096		4511	Stroger-4th Flr-Rm 4511-Family Rm
FPS-4220	788457	4572	Stroger-4th Flr-Rm 4572-NICU/Nursery #8
FPS-4221	788456	4552	Stroger-4th Flr-Rm 4552-Neonatal ICU/Nursery #1
4TH FLR		Total Fire Shutter Door for Floor 3	
FPS-5220	742840	LL170	Stroger-LL Flr-Rm LL170-Admin. Assistant Office
FPS-5221	742978	LL175	Stroger-LL Flr-Rm LL175-Supervisor Office
FPS-5222	742977	LL175	Stroger-LL Flr-Rm LL175-Supervisor Office
FPS-5223	742976	LL180	Stroger-LL Flr-Rm LL180-In Patient Pharmacy
FPS-5224	742830	LL310	Stroger-LL Flr-Rm LL310-Morgue
FPS-5225	742829	LL310	Stroger-LL Flr-Rm LL310-Morgue
FPS-5226	742832	LL126	Stroger-LL Flr-Rm LL126-Environ. Bulk Storeroom
FPS-5227	742975	LL475	Stroger-LL Flr-Rm LL475-Communications Workroom
FPS-5228	742851	LL613	Stroger-LL Flr-Rm LL613-Food Bank
FPS-6124	742852	LL618A	Stroger-LL Flr-Rm LL618A-(Inside LL619)
FPS-6220	005366	LL667	Stroger-LL Flr-Rm LL667-Main Dining Rm
FPS-6221	802005	LL657	Stroger-LL Flr-Rm LL657-Market Place
FPS-6222	788844	LL710	Stroger-LL Flr-Rm LL710-Blood Bank Window
FPS-6223	742831	LL619	Stroger-LL Flr-Rm LL619-Cafeteria Receiving Office
FPS-6224	742838	LL277	Stroger-LL Flr-Rm LL277-Buildings & Grounds Central Storage
FPS-L093	742856	LL135	Stroger-LL Flr-Rm LL135-Pharmacy Receiving
FPS-L098	742858	LL220	Stroger-LL Flr-Rm LL220-Material Management
FPS-L099	742863	LL274	Stroger-LL Flr-Rm LL274-Linen Rm
FPS-L108	742865	LL277PM	Stroger-LL Flr-Rm LL277-Rolling Door Near
FPS-L170	742860	LL277	Stroger-LL Flr-Rm LL277-Buildings & Grounds Central Storage
FPS-L171	742857	LL272	Stroger-LL Flr-Rm LL272-Electrical Rm
FPS-L172	742864	LL272	Stroger-LL Flr-Rm LL272-Electrical Rm
FPS-L173	742859	LL274	Stroger-LL Flr-Rm LL274-Linen Rm
FPS-L174	742862	LL220	Stroger-LL Flr-Rm LL220-Material Management
FPS-L175	742841	LL130	Stroger-LL Flr-Rm LL130-Pharmacy
FPS-L176	NO TAG	LL135	Stroger-LL Flr-Rm LL135-Pharmacy Receiving
FPS-L177	742855	LL115	Stroger-LL Flr-Rm LL115-Solution Room
FPS-L178	742854	LL115	Stroger-LL Flr-Rm LL115-Solution Room
FPS-L179	742853	LL100	Stroger-LL Flr-Rm LL100-Nitrogen And Nitrous Oxide Storage
FPS-L180	742833	LL252	Stroger-LL Flr-Rm LL252-Director's Office
FPS-L181	742836	LL254	Stroger-LL Flr-Rm LL254-Office
FPS-L182	742837	LL256	Stroger-LL Flr-Rm LL256-Office
FPS-L183	742834	LL258	Stroger-LL Flr-Rm LL258-Office
FPS-L184	742835	LL260	Stroger-LL Flr-Rm LL260-Office
FPS-L185	742839	LL266	Stroger-LL Flr-Rm LL266-Office
LL FLR		Total Fire Shutter Door for Floor 35	

ATTACHMENT 1:
BOARD TRANSMITTAL

Cook County Health & Hospitals System

BOARD APPROVAL REQUEST

SPONSOR: David Lai, AIA, LEED, AP, Director of Stroger Hospital Plant James DeLisa, Director of Plant Operations			EXECUTIVE SPONSOR: Anthony Rajkumar, Chief Business Officer		
DATE: 06/07/2013			PRODUCT / SERVICE: Services: Testing, Maintenance and Repair Services for the Security Systems, Building Automation Systems, Fire Alarm Systems, Two-way Radio System and Electrical Distribution Equipment.		
TYPE OF REQUEST: Execute Contract			VENDOR / SUPPLIER: Johnson Controls Inc., Arlington Heights, IL		
ACCOUNT 897-450	FACILITY Stroger	FISCAL IMPACT \$5,382,623.75	GRANT FUNDED RENEWAL AMOUNT: N/A		
CONTRACT PERIOD: 07/01/2013 thru 06/30/2016			CONTRACT NUMBER: H13-28-058		
<input checked="" type="checkbox"/> COMPETITIVE SELECTION METHODOLOGY:					
<input type="checkbox"/> NON-COMPETITIVE SELECTION METHODOLOGY:					
PRIOR CONTRACT HISTORY: Contract Number H09-72-037 (Re-bid) was awarded by the Cook County Health and Hospitals System Board in the amount of \$4,194,873.00 for a thirty-six (36) month period to provide testing, maintenance and repair services for the security systems, building automation systems, fire alarm systems, two-way radio system and electrical distribution equipment for the Stroger Hospital campus. On 03/19/2013, the contract was extended for an additional four (4) month period by Supply Chain Management from 03/01/2013 through 06/30/2013.					
NEW PROPOSAL JUSTIFICATION: This request is to enter into a new contract with Johnson Controls, Inc. to provide testing, maintenance and repair services for the security systems, building automation systems, fire alarm systems, two-way radio system and electrical distribution equipment. Johnson Controls, Inc. has met all specified criteria and submitted a cost effective response to meet the needs of the system.					
TERMS OF REQUEST: This is a request to execute contract number H13-28-058 in the amount of \$5,382,623.75 for a thirty-six (36) month period from 07/01/2013 thru 06/30/2016.					
CONTRACT COMPLIANCE HAS FOUND THIS CONTRACT RESPONSIVE? <input checked="" type="checkbox"/>					
ATTACHMENTS BID TABULATIONS: N/A CONTRACT COMPLIANCE MEMO: Yes					
CCHHS CFO:  John Cookinham, Chief Financial Officer			<div style="border: 2px solid black; padding: 10px; width: fit-content; margin: auto;"> <b style="font-size: 1.2em;">APPROVED JUN 27 2013 BY BOARD OF DIRECTORS OF THE COOK COUNTY HEALTH AND HOSPITALS SYSTEM </div>		
CCHHS CEO:  Ram Raju, M.D., Chief Executive Officer					
			Request # 9		

• Ambulatory & Community Health Network • Cermak Health Services • Department of Public Health •
 • John H. Stroger, Jr. Hospital of Cook County • Oak Forest Hospital • Provident Hospital • Ruth M. Rothstein
 CORE Center •

We Bring Health CARE to Your Community

Revised 03/01/2011

ATTACHMENT 2:
CERTIFICATION AND EXECUTION FORMS

**ECONOMIC DISCLOSURE STATEMENT
AND EXECUTION DOCUMENT
INDEX**

Section	Description	Pages
Instructions	Instructions for Completion of EDS.	EDS i - ii
1	MBE/WBE Utilization Plan	EDS 1
2	Letter of Intent	EDS 2
3	Petition for Reduction/Waiver of MBE/WBE Participation Goals	EDS 3
4	Certifications	EDS 4, 5
5	Economic and Other Disclosures, Affidavit of Child Support Obligations and Disclosure of Ownership Interest	EDS 6 – 12
6	Sole Proprietor Signature Page	EDS 13a/b/c
7	Partnership Signature Page	EDS 14/a/b/c
8	Corporation Signature Page	EDS 15a/b/c
9	Cook County Signature Page	EDS 16

**INSTRUCTIONS FOR COMPLETION OF
ECONOMIC DISCLOSURE STATEMENT AND EXECUTION DOCUMENT**

This Economic Disclosure Statement and Execution Document ("EDS") is to be completed and executed by every Bidder on a County contract, every party responding to a Request for Proposals or Request for Qualifications ("Proposer"), and others as required by the Chief Procurement Officer. If the Undersigned is awarded a contract pursuant to the procurement process for which this EDS was submitted (the "Contract"), this Economic Disclosure Statement and Execution Document shall stand as the Undersigned's execution of the Contract.

Definitions. Capitalized terms used in this EDS and not otherwise defined herein shall have the meanings given to such terms in the Instructions to Bidders, General Conditions, Request for Proposals, Request for Qualifications, or other documents, as applicable.

"Affiliated Entity" means a person or entity that, directly or indirectly, controls the Bidder, is controlled by the Bidder, or is, with the Bidder, under common control of another person or entity. Indicia of control include, without limitation, interlocking management or ownership; identity of interests among family members; shared facilities and equipment; common use of employees; and organization of a business entity following the ineligibility of a business entity to do business with the County under the standards set forth in the Certifications included in this EDS, using substantially the same management, ownership or principals as the ineligible entity.

"Bidder," "Proposer," "Undersigned," or "Applicant," is the person or entity executing this EDS. Upon award and execution of a Contract by the County, the Bidder, Proposer, Undersigned or Applicant, as the case may be, shall become the Contractor or Contracting Party.

"Proposal," for purposes of this EDS, is the Undersigned's complete response to an RFP/RFQ, or if no RFQ/RFP was issued by the County, the "Proposal" is such other proposal, quote or offer submitted by the Undersigned, and in any event a "Proposal" includes this EDS.

"Code" means the Code of Ordinances, Cook County, Illinois available through the Cook County Clerk's Office website (<http://www.cookctyclerk.com/sub/ordinances.asp>). This page can also be accessed by going to www.cookctyclerk.com, clicking on the tab labeled "County Board Proceedings," and then clicking on the link to "Cook County Ordinances."

"Contractor" or "Contracting Party" means the Bidder, Proposer or Applicant with whom the County has entered into a Contract.

"EDS" means this complete Economic Disclosure Statement and Execution Document, including all sections listed in the Index and any attachments.

"Lobby" or "lobbying" means to, for compensation, attempt to influence a County official or County employee with respect to any County matter.

"Lobbyist" means any person or entity who lobbies.

"Prohibited Acts" means any of the actions or occurrences which form the basis for disqualification under the Code, or under the Certifications hereinafter set forth.

Sections 1 through 3: MBE/WBE Documentation. Sections 1 and 2 must be completed in order to satisfy the requirements of the County's MBE/WBE Ordinance, as set forth in the Contract Documents, if applicable. If the Undersigned believes a waiver is appropriate and necessary, Section 3, the Petition for Waiver of MBE/WBE Participation must be completed.

Section 4: Certifications. Section 4 sets forth certifications that are required for contracting parties under the Code. Execution of this EDS constitutes a warranty that all the statements and certifications contained, and all the facts stated, in the Certifications are true, correct and complete as of the date of execution.

Section 5: Economic and Other Disclosures Statement. Section 5 is the County's required Economic and Other Disclosures Statement form. Execution of this EDS constitutes a warranty that all the information provided in the EDS is true, correct and complete as of the date of execution, and binds the Undersigned to the warranties, representations, agreements and acknowledgements contained therein.

**INSTRUCTIONS FOR COMPLETION OF
ECONOMIC DISCLOSURE STATEMENT AND EXECUTION DOCUMENT**

Sections 6, 7, 8: Execution Forms. The Bidder executes this EDS, and the Contract, by completing and signing three copies of the appropriate Signature Page. Section 6 is the form for a sole proprietor; Section 7 is the form for a partnership or joint venture; and Section 8 is the form for a corporation. Proper execution requires **THREE ORIGINALS**; therefore, the appropriate Signature Page must be filled in, three copies made, and all three copies must be properly signed, notarized and submitted. The forms may be printed and completed by typing or hand writing the information required. The County is in the process of converting these forms into a format that may be downloaded and completed on the user's computer. Once this feature is available, those having the necessary software may follow the instructions set forth below under the heading "Instructions for Completing PDF Forms."

Required Updates. The information provided in this EDS will be kept current. In the event of any change in any information provided, including but not limited to any change which would render inaccurate or incomplete any certification or statement made in this EDS, the Undersigned will supplement this EDS up to the time the County takes action, by filing an amended EDS or such other documentation as is requested.

Additional Information. The County's Governmental Ethics and Campaign Financing Ordinances, impose certain duties and obligations on persons or entities seeking County contracts, work, business, or transactions. For further information please contact the Director of Ethics at (312) 603-4304 (69 W. Washington St. Suite 3040, Chicago, IL 60602) or visit our web-site at www.cookcountygov.com and go to the Ethics Department link. The Bidder must comply fully with the applicable ordinances.

MBE/WBE UTILIZATION PLAN (SECTION 1)

BIDDER/PROPOSER HEREBY STATES that all MBE/WBE firms included in this Plan are certified MBEs/WBEs by at least one of the entities listed in the General Conditions.

I. BIDDER/PROPOSER MBE/WBE STATUS: (check the appropriate line)

- ☐ Bidder/Proposer is a certified MBE or WBE firm. (If so, attach copy of appropriate Letter of Certification)
- ☐ Bidder/Proposer is a Joint Venture and one or more Joint Venture partners are certified MBEs or WBEs. (If so, attach copies of Letter(s) of Certification, a copy of Joint Venture Agreement clearly describing the role of the MBE/WBE firm(s) and its ownership interest in the Joint Venture and a completed Joint Venture Affidavit – available from the Office of Contract Compliance)
- ☒ Bidder/Proposer is not a certified MBE or WBE firm, nor a Joint Venture with MBE/WBE partners, but will utilize MBE and WBE firms either directly or indirectly in the performance of the Contract. (If so, complete Sections II and III).

II. ☒ Direct Participation of MBE/WBE Firms ☐ Indirect Participation of MBE/WBE Firms

Where goals have not been achieved through direct participation, Bidder/Proposer shall include documentation outlining efforts to achieve Direct Participation at the time of Bid/Proposal submission. Indirect Participation will only be considered after all efforts to achieve Direct Participation have been exhausted. Only after written documentation of Good Faith Efforts is received will Indirect Participation be considered.

MBEs/WBEs that will perform as subcontractors/suppliers/consultants include the following:

MBE/WBE Firm: PCS Power and Communications, Inc.

Address: 279 East Helen Road, Palatine, IL, 60067

E-mail: italia@pcssolutions.com

Contact Person: Tanya Italia Phone: 847-358-8900

Dollar Amount Participation: \$ 409,693.20

Percent Amount of Participation: 7.61 %

*Letter of Intent attached? Yes X No

*Letter of Certification attached? Yes X No

MBE/WBE Firm: Applied Controls & Contracting Services

Address: 539-41 W. Taft Drive, South Holland, IL, 60473

E-mail: gkinnison@accshome.com

Contact Person: George Kinnison Phone: 708-596-7400

Dollar Amount Participation: \$ 1,115,878.03

Percent Amount of Participation: 20.73 %

*Letter of Intent attached? Yes X No

*Letter of Certification attached? Yes X No

Attach additional sheets as needed.

*Additionally, all Letters of Intent, Letters of Certification and documentation of Good Faith Efforts omitted from this bid/proposal must be submitted to the Office of Contract Compliance so as to assure receipt by the Contract Compliance Administrator not later than three (3) business days after the Bid Opening date.

MBE/WBE UTILIZATION PLAN (SECTION 1)

BIDDER/PROPOSER HEREBY STATES that all MBE/WBE firms included in this Plan are certified MBEs/WBEs by at least one of the entities listed in the General Conditions.

1. BIDDER/PROPOSER MBE/WBE STATUS: (check the appropriate line)

Bidder/Proposer is a certified MBE or WBE firm. (If so, attach copy of appropriate Letter of Certification)

Bidder/Proposer is a Joint Venture and one or more Joint Venture partners are certified MBEs or WBEs. (If so, attach copies of Letter(s) of Certification, a copy of Joint Venture Agreement clearly describing the role of the MBE/WBE firm(s) and its ownership interest in the Joint Venture and a completed Joint Venture Affidavit – available from the Office of Contract Compliance)

 X Bidder/Proposer is not a certified MBE or WBE firm, nor a Joint Venture with MBE/WBE partners, but will utilize MBE and WBE firms either directly or indirectly in the performance of the Contract. (If so, complete Sections II and III).

11.

☒ Direct Participation of MBE/WBE Firms

☐ Indirect Participation of MBE/WBE Firms

Where goals have not been achieved through direct participation, Bidder/Proposer shall include documentation outlining efforts to achieve Direct Participation at the time of Bid/Proposal submission. Indirect Participation will only be considered after all efforts to achieve Direct Participation have been exhausted. Only after written documentation of Good Faith Efforts is received will Indirect Participation be considered.

MBEs/WBEs that will perform as subcontractors/suppliers/consultants include the following:

MBE/WBE Firm: Cable Communications, Inc.

Address: 6200 S. Oakley Ave., Chicago, IL 60636-2016

E-mail: susan@ccinc.us

Contact Person: Susan L Hurley Phone: 773-925-1344

Dollar Amount Participation: \$ 389,096.10

Percent Amount of Participation: 7.23

*Letter of Intent attached?

Yes ☒ No ☐

No _____

*Letter of Certification attached?

Yes ☒ X

No _____

MBE/WBE Firm:

Address:

E-mail:

Contact Person:

Phone:

Dollar Amount Participation: \$

Percent Amount of Participation:

*Letter of Intent attached?

Yes _____

No _____

*Letter of Certification attached?

Yes _____

No _____

Attach additional sheets as needed.

*Additionally, all Letters of Intent, Letters of Certification and documentation of Good Faith Efforts omitted from this bid/proposal must be submitted to the Office of Contract Compliance so as to assure receipt by the Contract Compliance Administrator not later than three (3) business days after the Bid Opening date.

LETTER OF INTENT (SECTION 2)

M/WBE Firm: PCS Power & Comm. Sol. Inc Contract #: H13-0016
Address: 279 East Helen Road City/State/ Zip: Palatine, IL, 60067
Contact Person: Tanya Italia Phone: 847-358-8900 Fax: 847-358-7730
Certification Expiration Date: 06/05/2013 Race/Gender: Hispanic American
Email: italia@pcssolutions.com
Participation: ☒ Direct ☐ Indirect

Will the M/WBE firm be subcontracting any of the performance of this contract to another firm?

☒ No ☐ Yes - Please attach explanation.

Proposed Subcontractor: _____

The undersigned M/WBE is prepared to provide the following Commodities/Services for the above named Project/ Contract:

Part II: Arc Flash Study Electrical Labor

Med/Low Voltage Equip. Test Electrical Labor

Med/Low Voltage Cable Test Electrical Labor

Indicate the Dollar Amount, or Percentage, and the Terms of Payment for the above-described Commodities/ Services:

Contract Amount: \$409,693.20 Percentage: 7.61%

To be paid monthly as services are performed.

The above amount is contingent on Stroger Hospital procuring all portions of the bid.

(If more space is needed to fully describe M/WBE Firm's proposed scope of work and/or payment schedule, attach additional sheets)

THE UNDERSIGNED PARTIES AGREE that this Letter of Intent will become a binding Subcontract Agreement conditioned upon the Bidder/Proposer's receipt of a signed contract from the County of Cook. The Undersigned Parties do also certify that they did not affix their signatures to this document until all areas under Description of Service/ Supply and Fee/Cost were completed.

Signature (M/WBE)

Edward del Castillo

Print Name

PCS Power & Comm. Solutions, Inc

Firm Name

05/15/2013

Date

Signature (Prime Bidder/Proposer)

Gregory Sivik

Print Name

Johnson Controls, Inc.

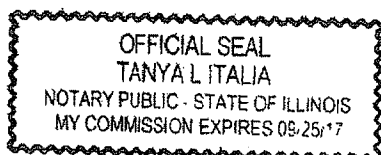
Firm Name

05/15/2013

Date

Subscribed and sworn before me this 15th day of March, 2013.

Notary Public Tanya Italia



EDS-2

SEAL

11.1.11

THE BOARD OF COMMISSIONERS

TONI PRECKWINKLE

PRESIDENT

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ROBERT STEELE
JERRY BUTLER
WILLIAM M. BEAVERS
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10th Dist.
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13th Dist.
14th Dist.
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16th Dist.
17th Dist.



COOK COUNTY
OFFICE OF CONTRACT COMPLIANCE

LAVERNE HALL
DIRECTOR

118 North Clark Street, Room 1020
Chicago, Illinois 60602-1304
TEL (312) 603-5502
FAX (312) 603-4547

June 5, 2012

Mr. Edward del Castillo, President
PCS Power & Communications, Inc.
d/b/a Kel-Tech Electric Company
279 E. Helen Road
Palatine, IL 60067

Dear Mr. del Castillo:

Congratulations. We are pleased to inform you that PCS Power & Communications, Inc. d/b/a Kel-Tech Electric Company will maintain its certification as an MBE (9) by Cook County Government. This MBE Certification must be revalidated annually.

Please use the enclosed Certificate of Certification as validation of your Cook County MBE status and area of specialty.

As a condition of continued Certification during this three (3) year period, you must file a "No-Change Affidavit" within sixty (60) business days prior to the date of annual expiration. A processing fee of \$50.00, payable to Cook County Department of Revenue is required with the No-Change Affidavit. Failure to file this Affidavit shall result in the termination of your Certification. You must notify Cook County Government's Office of Contract Compliance within ten (10) days of any change in ownership or control or any other matters or facts affecting your firm's eligibility for Certification.

Your firm's participation on Cook County contracts will be credited toward MBE goals in your area(s) of specialty. While your participation on Cook County contracts is not limited to your area of specialty, credit toward MBE goals will only be recognized for work done in the specialty category.

Thank you for your continued interest in Cook County Government's Minority and Women Business Enterprise Programs.

Sincerely,

LaVerne Hall
Director
LH/ek





DEPARTMENT OF PROCUREMENT SERVICES
CITY OF CHICAGO

April 26, 2013

Susan Hurley
Cable Communication
6200 S. Oakley Ave
Chicago, IL.60636

Email: susan@ccinc.us

Dear Susan Hurley,

This letter is to inform you that the City of Chicago has extended your status as a **Women Business Enterprise (WBE)** until August 1, 2013. We are providing this Extension to allow enough time to provide any additional documentation that your application may be missing and for our office to complete our review of all of the submitted documents.

This extension does not guarantee eligibility in the program but will act as a courtesy extension until we receive all of the required documentation and complete a review of that documentation.

Please present this letter and copy of your last certification letter as evidence of your certification to be included with bid document submittals as needed.

If you have any questions, please feel free to contact our office at (312) 744-1929.

Sincerely,


Monica Jimenez
Deputy Procurement Officer

MJ: at

LETTER OF INTENT (SECTION 2)

M/WBE Firm: Applied Controls

Contract #: H13-0016

Address: 539-41 W. Taft Drive

City/State/ Zip: South Holland, IL, 60473

Contact Person: George Kinnison

Phone: 708-596-7400 Fax: 708-596-1020

Certification Expiration Date: 05/29/2013

Race/Gender: African American

Email: gkinnison@accshome.com

Participation: ☒ Direct ☐ Indirect

Will the M/WBE firm be subcontracting any of the performance of this contract to another firm?

☒ No ☐ Yes -- Please attach explanation.

Proposed Subcontractor: _____

The undersigned M/WBE is prepared to provide the following Commodities/Services for the above named Project/ Contract:

Part I: Fire, Security and Controls Maintenance

Part II: Fire, Security and Controls Maintenance Labor, CCTV Upgrade

Part III: Security and Infant Monitoring Parts

Indicate the Dollar Amount, or Percentage, and the Terms of Payment for the above-described Commodities/ Services:

Contract Amount: \$1,115,878.03 Percentage: 20.73%

To be paid monthly as services are performed.

The above amount is contingent on Stroger Hospital procuring all portions of the bid.

(If more space is needed to fully describe M/WBE Firm's proposed scope of work and/or payment schedule, attach additional sheets)

THE UNDERSIGNED PARTIES AGREE that this Letter of Intent will become a binding Subcontract Agreement conditioned upon the Bidder/Proposer's receipt of a signed contract from the County of Cook. The Undersigned Parties do also certify that they did not affix their signatures to this document until all areas under Description of Service/ Supply and Fee/ Cost were completed.

George Kinnison
Signature (M/WBE)

George Kinnison
Print Name

Applied Controls & Contracting
Firm Name

05/15/2013
Date

Gregory Sivik
Signature (Prime Bidder/Proposer)

Gregory Sivik
Print Name

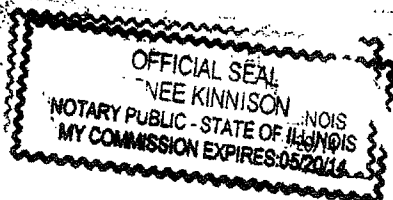
Johnson Controls, Inc.
Firm Name

05/15/2013
Date

Subscribed and sworn before me this 15th day of May, 2013

Notary Public *Ken Kinnison*

SEAL



EDS-2

11.1.11



DEPARTMENT OF PROCUREMENT SERVICES
CITY OF CHICAGO

OCT 19 2012

George Kinnison
Applied Controls & Contracting Services, Inc
539-541 W. Taft Drive
South Holland, IL 60473

Annual Certificate Expires: September 15, 2013

Dear Mr. Kinnison:

We are pleased to inform you that Applied Controls & Contracting Services, Inc has been re-certified as a Minority Business Enterprise (MBE) by the City of Chicago. This MBE certification is valid until September 15, 2017; however your firms' certification must be re-validated annually.

As a condition of continued certification during this five year period, you must file an annual No-Change Affidavit. Your firm's **No Change Affidavit is due by September 15, 2013**. Please remember, you have an affirmative duty to file your No-Change Affidavit 60 days prior to the date of expiration. Therefore, you must file your **No-Change Affidavit by July 15, 2013**.

It is important to note that you also have an ongoing affirmative duty to notify the City of Chicago of any changes in ownership or control of your firm, or any other fact affecting your firm's eligibility for certification within **10 days** of such change. These changes may include but are not limited to a change of address, change of business structure, change in ownership or ownership structure, change of business operations, and/or gross receipts that exceed the program threshold.

Please note – you shall be deemed to have had your certification lapse and will be ineligible to participate as a Minority Business Enterprise (MBE) if you fail to:

- ♦ file your No Change Affidavit within the required time period;
- ♦ provide financial or other records requested pursuant to an audit within the required time period; or
- ♦ notify the City of any changes affecting your firm's certification within 10 days of such change.

LETTER OF INTENT (SECTION 2)

MWBE Firm: Cable Communications, Inc. Contract #: H13-0016
Address: 6200 S. Oakley Ave City/State/ Zip: Chicago, IL 60636-2016
Contact Person: Susan Hurley Phone: 773-925-1344 Fax: 773-925-9225
Certification Expiration Date: 08/01/2013 Race/Gender: Female
Email: susan@ccinc.us

Participation: ☒ Direct ☐ Indirect

Will the MWBE firm be subcontracting any of the performance of this contract to another firm?

☒ No ☐ Yes - Please attach explanation.

Proposed Subcontractor: _____

The undersigned MWBE is prepared to provide the following Commodities/Services for the above named Project/ Contract:

Part I: Security Maintenance

Part II: Electrical Labor

Indicate the Dollar Amount, or Percentage, and the Terms of Payment for the above-described Commodities/ Services:

Contract Amount: \$389,096.10 Percentage: 7.23%

To be paid monthly as services are performed

The above amount is contingent on Stroger Hospital procurin
all portions of the bid.

(If more space is needed to fully describe MWBE Firm's proposed scope of work and/or payment schedule, attach additional sheets)

THE UNDERSIGNED PARTIES AGREE that this Letter of Intent will become a binding Subcontract Agreement conditioned upon the Bidder/Proposer's receipt of a signed contract from the County of Cook. The Undersigned Parties do also certify that they did not affix their signatures to this document until all areas under Description of Service/ Supply and Fee/Cost were completed.

Signature (MWBE)

Susan Hurley

Print Name

Cable Communications, Inc.

Firm Name

05/15/2013

Date

Signature (Prime Bidder/Proposer)

Gregory Sivik

Print Name

Johnson Controls, Inc.

Firm Name

05/15/2013

Date

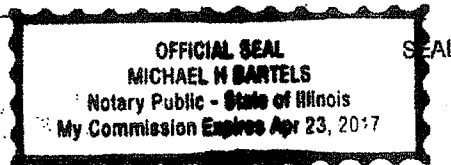
Subscribed and sworn before me this

15th day of

MAY

2013

Notary Public





DEPARTMENT OF PROCUREMENT SERVICES
CITY OF CHICAGO

April 26, 2013

Susan Hurley
Cable Communication
6200 S. Oakley Ave
Chicago, IL 60636

Email: susan@ccinc.us

Dear Susan Hurley,

This letter is to inform you that the City of Chicago has extended your status as a **Women Business Enterprise (WBE)** until August 1, 2013. We are providing this Extension to allow enough time to provide any additional documentation that your application may be missing and for our office to complete our review of all of the submitted documents.

This extension does not guarantee eligibility in the program but will act as a courtesy extension until we receive all of the required documentation and complete a review of that documentation.

Please present this letter and copy of your last certification letter as evidence of your certification to be included with bid document submittals as needed.

If you have any questions, please feel free to contact our office at (312) 744-1929.

Sincerely,

Monica Jimenez
Deputy Procurement Officer

MJ: at

LETTER OF INTENT (SECTION 2)

M/WBE Firm: PCS Power & Comm. Sol. Inc

Contract #: H13-0016

Address: 279 East Helen Road

City/State/ Zip: Palatine, IL, 60067

Contact Person: Tanya Italia

Phone: 847-358-8900 Fax: 847-358-7730

Certification Expiration Date: 06/05/2013

Race/Gender: Hispanic American

Email: italia@pcssolutions.com

Participation: ☒ Direct ☐ Indirect

Will the M/WBE firm be subcontracting any of the performance of this contract to another firm?

☒ No ☐ Yes - Please attach explanation.

Proposed Subcontractor: _____

The undersigned M/WBE is prepared to provide the following Commodities/Services for the above named Project/ Contract:

Part II: Arc Flash Study Electrical Labor

Med/Low Voltage Equip. Test Electrical Labor

Med/Low Voltage Cable Test Electrical Labor

Indicate the Dollar Amount, or Percentage, and the Terms of Payment for the above-described Commodities/ Services:

Contract Amount: \$409,693.20 Percentage: 7.61%

To be paid monthly as services are performed.

The above amount is contingent on Stroger Hospital procuring all portions of the bid.

(If more space is needed to fully describe M/WBE Firm's proposed scope of work and/or payment schedule, attach additional sheets)

THE UNDERSIGNED PARTIES AGREE that this Letter of Intent will become a binding Subcontract Agreement conditioned upon the Bidder/Proposer's receipt of a signed contract from the County of Cook. The Undersigned Parties do also certify that they did not affix their signatures to this document until all areas under Description of Service/ Supply and Fee/Cost were completed.

Signature (M/WBE)

Edward del Castillo

Print Name

PCS Power & Comm. Solutions, Inc

Firm Name

05/15/2013

Date

Signature (Print Bidder/Proposer)

Gregory Sivik

Print Name

Johnson Controls, Inc.

Firm Name

05/15/2013

Date

Subscribed and sworn before me this 15th day of March, 2013.

Notary Public Tanya Italia

SEAL



EDS-2

11.1.11



DEPARTMENT OF PROCUREMENT SERVICES
CITY OF CHICAGO

OCT 19 2012

George Kinnison
Applied Controls & Contracting Services, Inc
539-541 W. Taft Drive
South Holland, IL 60473

Annual Certificate Expires: September 15, 2013

Dear Mr. Kinnison:

We are pleased to inform you that Applied Controls & Contracting Services, Inc has been re-certified as a Minority Business Enterprise (MBE) by the City of Chicago. This MBE certification is valid until September 15, 2017; however your firms' certification must be re-validated annually.

As a condition of continued certification during this five year period, you must file an annual No-Change Affidavit. Your firm's **No Change Affidavit is due by September 15, 2013**. Please remember, you have an affirmative duty to file your No-Change Affidavit 60 days prior to the date of expiration. Therefore, you must file your **No-Change Affidavit by July 15, 2013**.

It is important to note that you also have an ongoing affirmative duty to notify the City of Chicago of any changes in ownership or control of your firm, or any other fact affecting your firm's eligibility for certification within **10 days** of such change. These changes may include but are not limited to a change of address, change of business structure, change in ownership or ownership structure, change of business operations, and/or gross receipts that exceed the program threshold.

Please note – you shall be deemed to have had your certification lapse and will be ineligible to participate as a Minority Business Enterprise (MBE) if you fail to:

- ♦ file your No Change Affidavit within the required time period;
- ♦ provide financial or other records requested pursuant to an audit within the required time period; or
- ♦ notify the City of any changes affecting your firm's certification within 10 days of such change.

PETITION FOR WAIVER OF MBE/WBE PARTICIPATION (SECTION 3)

A. BIDDER/PROPOSER HEREBY REQUESTS:

- ☐ FULL MBE WAIVER ☐ FULL WBE WAIVER
- ☐ REDUCTION (PARTIAL MBE and/or WBE PARTICIPATION)
- _____ % of Reduction for MBE Participation
- _____ % of Reduction for WBE Participation

B. REASON FOR FULL/REDUCTION WAIVER REQUEST

Bidder/Proposer shall check each item applicable to its reason for a waiver request. Additionally, supporting documentation shall be submitted with this request. If such supporting documentation cannot be submitted with bid/proposal/quotation, such documentation shall be submitted directly to the Office of Contract Compliance no later than three (3) days from the date of submission date.

- ☐ (1) Lack of sufficient qualified MBEs and/or WBEs capable of providing the goods or services required by the contract. (Please explain)
- ☐ (2) The specifications and necessary requirements for performing the contract make it impossible or economically infeasible to divide the contract to enable the contractor to utilize MBEs and/or WBEs in accordance with the applicable participation. (Please explain)
- ☐ (3) Price(s) quoted by potential MBEs and/or WBEs are above competitive levels and increase cost of doing business and would make acceptance of such MBE and/or WBE bid economically impracticable, taking into consideration the percentage of total contract price represented by such MBE and/or WBE bid. (Please explain)
- ☐ (4) There are other relevant factors making it impossible or economically infeasible to utilize MBE and/or WBE firms. (Please explain)

C. GOOD FAITH EFFORTS TO OBTAIN MBE/WBE PARTICIPATION

- ☐ (1) Made timely written solicitation to identified MBEs and WBEs for utilization of goods and/or services; and provided MBEs and WBEs with a timely opportunity to review and obtain relevant specifications, terms and conditions of the proposal to enable MBEs and WBEs to prepare an informed response to solicitation. (Please attach)
- ☐ (2) Followed up initial solicitation of MBEs and WBEs to determine if firms are interested in doing business. (Please attach)
- ☐ (3) Advertised in a timely manner in one or more daily newspapers and/or trade publication for MBEs and WBEs for supply of goods and services. (Please attach)
- ☐ (4) Used the services and assistance of the Office of Contract Compliance staff. (Please explain)
- ☐ (5) Engaged MBEs & WBEs for indirect participation. (Please explain)

D. OTHER RELEVANT INFORMATION

Attach any other documentation relative to Good Faith Efforts in complying with MBE/WBE participation.

CERTIFICATIONS (SECTION 4)

THE FOLLOWING CERTIFICATIONS ARE MADE PURSUANT TO STATE LAW AND THE CODE. THE UNDERSIGNED IS CAUTIONED TO CAREFULLY READ THESE CERTIFICATIONS PRIOR TO SIGNING THE SIGNATURE PAGE. SIGNING THE SIGNATURE PAGE SHALL CONSTITUTE A WARRANTY BY THE UNDERSIGNED THAT ALL THE STATEMENTS, CERTIFICATIONS AND INFORMATION SET FORTH WITHIN THESE CERTIFICATIONS ARE TRUE, COMPLETE AND CORRECT AS OF THE DATE THE SIGNATURE PAGE IS SIGNED. THE UNDERSIGNED IS NOTIFIED THAT IF THE COUNTY LEARNS THAT ANY OF THE FOLLOWING CERTIFICATIONS WERE FALSELY MADE, THAT ANY CONTRACT ENTERED INTO WITH THE UNDERSIGNED SHALL BE SUBJECT TO TERMINATION.

A. PERSONS AND ENTITIES SUBJECT TO DISQUALIFICATION

No person or business entity shall be awarded a contract or sub-contract, for a period of five (5) years from the date of conviction or entry of a plea or admission of guilt, civil or criminal, if that person or business entity:

- 1) Has been convicted of an act committed, within the State of Illinois, of bribery or attempting to bribe an officer or employee of a unit of state, federal or local government or school district in the State of Illinois in that officer's or employee's official capacity;
- 2) Has been convicted by federal, state or local government of an act of bid-rigging or attempting to rig bids as defined in the Sherman Anti-Trust Act and Clayton Act. Act. 15 U.S.C. Section 1 et seq.;
- 3) Has been convicted of bid-rigging or attempting to rig bids under the laws of federal, state or local government;
- 4) Has been convicted of an act committed, within the State, of price-fixing or attempting to fix prices as defined by the Sherman Anti-Trust Act and the Clayton Act. 15 U.S.C. Section 1, et seq.;
- 5) Has been convicted of price-fixing or attempting to fix prices under the laws the State;
- 6) Has been convicted of defrauding or attempting to defraud any unit of state or local government or school district within the State of Illinois;
- 7) Has made an admission of guilt of such conduct as set forth in subsections (1) through (6) above which admission is a matter of record, whether or not such person or business entity was subject to prosecution for the offense or offenses admitted to; or
- 8) Has entered a plea of *nolo contendere* to charge of bribery, price-fixing, bid-rigging, or fraud, as set forth in sub-paragraphs (1) through (6) above.

In the case of bribery or attempting to bribe, a business entity may not be awarded a contract if an official, agent or employee of such business entity committed the Prohibited Act on behalf of the business entity and pursuant to the direction or authorization of an officer, director or other responsible official of the business entity, and such Prohibited Act occurred within three years prior to the award of the contract. In addition, a business entity shall be disqualified if an owner, partner or shareholder controlling, directly or indirectly, 20 % or more of the business entity, or an officer of the business entity has performed any Prohibited Act within five years prior to the award of the Contract.

THE UNDERSIGNED HEREBY CERTIFIES THAT: The Undersigned has read the provisions of Section A, Persons and Entities Subject to Disqualification, that the Undersigned has not committed any Prohibited Act set forth in Section A, and that award of the Contract to the Undersigned would not violate the provisions of such Section or of the Code.

B. BID-RIGGING OR BID ROTATING

THE UNDERSIGNED HEREBY CERTIFIES THAT: In accordance with 720 ILCS 5/33 E-11, neither the Undersigned nor any Affiliated Entity is barred from award of this Contract as a result of a conviction for the violation of State laws prohibiting bid-rigging or bid rotating.

C. DRUG FREE WORKPLACE ACT

THE UNDERSIGNED HEREBY CERTIFIES THAT: The Undersigned will provide a drug free workplace, as required by Public Act 86-1459 (30 ILCS 580/2-11).

D. DELINQUENCY IN PAYMENT OF TAXES

THE UNDERSIGNED HEREBY CERTIFIES THAT: *The Undersigned is not an owner or a party responsible for the payment of any tax or fee administered by Cook County, by a local municipality, or by the Illinois Department of Revenue, which such tax or fee is delinquent, such as bar award of a contract or subcontract pursuant to the Code, Chapter 34, Section 34-129.*

E. HUMAN RIGHTS ORDINANCE

No person who is a party to a contract with Cook County ("County") shall engage in unlawful discrimination or sexual harassment against any individual in the terms or conditions of employment, credit, public accommodations, housing, or provision of County facilities, services or programs (Code Chapter 42, Section 42-30 et seq).

F. ILLINOIS HUMAN RIGHTS ACT

THE UNDERSIGNED HEREBY CERTIFIES THAT: *It is in compliance with the the Illinois Human Rights Act (775 ILCS 5/2-105), and agrees to abide by the requirements of the Act as part of its contractual obligations.*

G. MACBRIDE PRINCIPLES, CODE CHAPTER 34, SECTION 34-132

If the primary contractor currently conducts business operations in Northern Ireland, or will conduct business during the projected duration of a County contract, the primary contractor shall make all reasonable and good faith efforts to conduct any such business operations in Northern Ireland in accordance with the MacBride Principles for Northern Ireland as defined in Illinois Public Act 85-1390.

H. LIVING WAGE ORDINANCE PREFERENCE (COOK COUNTY CODE, CHAPTER 34, SECTION 34-127;

The Code requires that a living wage must be paid to individuals employed by a Contractor which has a County Contract and by all subcontractors of such Contractor under a County Contract, throughout the duration of such County Contract. The amount of such living wage is determined from time to time by, and is available from, the Chief Financial Officer of the County.

For purposes of this EDS Section 4, H, "Contract" means any written agreement whereby the County is committed to or does expend funds in connection with the agreement or subcontract thereof. The term "Contract" as used in this EDS, Section 4, I, specifically excludes contracts with the following:

- 1) Not-For Profit Organizations (defined as a corporation having tax exempt status under Section 501(C)(3) of the United State Internal Revenue Code and recognized under the Illinois State not-for-profit law);
- 2) Community Development Block Grants;
- 3) Cook County Works Department;
- 4) Sheriff's Work Alternative Program; and
- 5) Department of Correction inmates.

REQUIRED DISCLOSURES (SECTION 5)

1. DISCLOSURE OF LOBBYIST CONTACTS

List all persons or entities that have made lobbying contacts on your behalf with respect to this contract:

Name

Address

2. LOCAL BUSINESS PREFERENCE DISCLOSURE; CODE, CHAPTER 34, SECTION 34-151(p);

"Local Business" shall mean a person authorized to transact business in this State and having a bona fide establishment for transacting business located within Cook County at which it was actually transacting business on the date when any competitive solicitation for a public contract is first advertised or announced and further which employs the majority of its regular, full time work force within Cook County, including a foreign corporation duly authorized to transact business in this State and which has a bona fide establishment for transacting business located within Cook County at which it was actually transacting business on the date when any competitive solicitation for a public contract is first advertised or announced and further which employs the majority of its regular, full time work force within Cook County.

- a) Is Bidder a "Local Business" as defined above?

Yes: X No:

- b) If yes, list business addresses within Cook County:

850 West Jackson St., Suite 420, Chicago, IL 60607
3007 Malmo Dr., Arlington Hts., IL 60005
1500 Huntington Dr., Calumet City, IL 60409
4415 West Harrison, Hillside, IL 60162

- c) Does Bidder employ the majority of its regular full-time workforce within Cook County?

Yes: X No:

3. THE CHILD SUPPORT ENFORCEMENT ORDINANCE (PREFERENCE (CODE, CHAPTER 34, SECTION 34-366)

Every Applicant for a County Privilege shall be in full compliance with any child support order before such Applicant is entitled to receive or renew a County Privilege. When delinquent child support exists, the County shall not issue or renew any County Privilege, and may revoke any County Privilege. All Applicants are required to review the Cook County Affidavit of Child Support Obligations attached to this EDS and complete the following, based upon the definitions and other information included in such Affidavit:

 X Applicant has no "Substantial Owner."

OR:

 The Cook County Affidavit of Child Support Obligations has been completed by all "Substantial Owners" and is attached to this EDS.

4. REAL ESTATE OWNERSHIP DISCLOSURES.

The Undersigned must indicate by checking the appropriate provision below and providing all required information that either:

- a) The following is a complete list of all real estate owned by the Undersigned in Cook County:

PERMANENT INDEX NUMBER(S): 08-23-202-044-0000

(ATTACH SHEET IF NECESSARY TO LIST ADDITIONAL INDEX
NUMBERS)

OR:

- b) _____ The Undersigned owns no real estate in Cook County.

5. EXCEPTIONS TO CERTIFICATIONS OR DISCLOSURES.

If the Undersigned is unable to certify to any of the Certifications or any other statements contained in this EDS and not explained elsewhere in this EDS, the Undersigned must explain below:

If the letters, "NA", the word "None" or "No Response" appears above, or if the space is left blank, it will be conclusively presumed that the Undersigned certified to all Certifications and other statements contained in this EDS.

COOK COUNTY DISCLOSURE OF OWNERSHIP INTEREST STATEMENT

The Cook County Code of Ordinances (§2-610 *et seq.*) requires that any Applicant for any County Action must disclose information concerning ownership interests in the Applicant. This Disclosure of Ownership Interest Statement must be completed with all information current as of the date this Statement is signed. Furthermore, this Statement must be kept current, by filing an amended Statement, until such time as the County Board or County Agency shall take action on the application. The information contained in this Statement will be maintained in a database and made available for public viewing.

If you are asked to list names, but there are no applicable names to list, you must state NONE. An incomplete Statement will be returned and any action regarding this contract will be delayed. A failure to fully comply with the ordinance may result in the action taken by the County Board or County Agency being voided.

"Applicant" means any Entity or person making an application to the County for any County Action.

"County Action" means any action by a County Agency, a County Department, or the County Board regarding an ordinance or ordinance amendment, a County Board approval, or other County agency approval, with respect to contracts, leases, or sale or purchase of real estate.

"Entity" or "Legal Entity" means a sole proprietorship, corporation, partnership, association, business trust, estate, two or more persons having a joint or common interest, trustee of a land trust, other commercial or legal entity or any beneficiary or beneficiaries thereof.

This Disclosure of Ownership Interest Statement must be submitted by :

1. An Applicant for County Action and
2. An individual or Legal Entity that holds stock or a beneficial interest in the Applicant and is listed on the Applicant's Statement (a "Holder") must file a Statement and complete #1 only under **Ownership Interest Declaration**.

Please print or type responses clearly and legibly. Add additional pages if needed, being careful to identify each portion of the form to which each additional page refers.

This Statement is being made by the ☒ Applicant or ☐ Stock/Beneficial Interest Holder

This Statement is an: ☒ Original Statement or ☐ Amended Statement

Identifying Information:

Name Johnson Controls Inc. D/B/A: _____ EIN NO. 39-038-0010

Street Address: 3007 Malmo Drive

City: Arlington Heights State: Illinois Zip Code: 60005

Phone No.: 847/364-1500

Form of Legal Entity:

- ☐ Sole Proprietor ☐ Partnership ☒ Corporation ☐ Trustee of Land Trust
- ☐ Business Trust ☐ Estate ☐ Association ☐ Joint Venture
- ☐ Other (describe) _____

Ownership Interest Declaration:

1. List the name(s), address, and percent ownership of each individual and each Entity having a legal or beneficial interest (including ownership) of more than five percent (5%) in the Applicant/Holder.

Name	Address	Percentage Interest in Applicant/Holder
BlackRock, Inc.	40 East 52nd St., New York, NY 10022	5.72%
Capital World Investors	333 S Hope St., 55th Fl Los Angeles, CA 90071	5.8%

2. If the interest of any individual or any Entity listed in (1) above is held as an agent or agents, or a nominee or nominees, list the name and address of the principal on whose behalf the interest is held.

Name of Agent/Nominee	Name of Principal	Principal's Address

3. Is the Applicant constructively controlled by another person or Legal Entity? ☐ Yes ☐ No
If yes, state the name, address and percentage of beneficial interest of such person or legal entity, and the relationship under which such control is being or may be exercised.

Name	Address	Percentage of Beneficial Interest	Relationship

Declaration (check the applicable box):

- ☐ I state under oath that the Applicant has withheld no disclosure as to ownership interest in the Applicant nor reserved any information, data or plan as to the intended use or purpose for which the Applicant seeks County Board or other County Agency action.
- ☐ I state under oath that the Holder has withheld no disclosure as to ownership interest nor reserved any information required to be disclosed.

Gregory R Sivik
Name of Authorized Applicant/Holder Representative (please print or type)

[Signature]
Signature

Gregory.Sivik@jci.com
E-mail address

Illinois Fire & Security Br Mgr
Title

5-15-13
Date

847 806 4441
Phone Number

Subscribed to and sworn before me
this 15 day of May, 2013.

x [Signature]
Notary Public Signature

My commission expires: 1/25/16

EDS-10



1.11



COOK COUNTY BOARD OF ETHICS

69 W. WASHINGTON STREET, SUITE 3040

CHICAGO, ILLINOIS 60602

312/603-4304

312/603-9988 FAX 312/603-1011 TT/TDD

FAMILIAL RELATIONSHIP DISCLOSURE PROVISION:

Section 2-582 of the Cook County Ethics Ordinance requires any person or persons doing business with Cook County, upon execution of a contract with Cook County, to disclose to the Cook County Board of Ethics the existence of familial relationships they may have with all persons holding elective office in the State of Illinois, the County of Cook, or in any municipality within the County of Cook.

The disclosure required by this section shall be filed by January 1 of each calendar year or within thirty (30) days of the execution of any contract or lease. Any person filing a late disclosure statement after January 31 shall be assessed a late filing fee of \$100.00 per day that the disclosure is late. Any person found guilty of violating any provision of this section or knowingly filing a false, misleading, or incomplete disclosure to the Cook County Board of Ethics shall be prohibited, for a period of three (3) years, from engaging, directly or indirectly, in any business with Cook County. *Note: Please see Chapter 2 Administration, Article VII Ethics, Section 2-582 of the Cook County Code to view the full provisions of this section.*

If you have questions concerning this disclosure requirement, please call the Cook County Board of Ethics at (312) 603-4304.

Note: A current list of contractors doing business with Cook County is available via the Cook County Board of Ethics' website at:
http://www.cookcountygov.com/taxonomy/ethics/Listings/cc_ethics_VendorList_.pdf

DEFINITIONS:

"*Calendar year*" means January 1 to December 31 of each year.

"*Doing business*" for this Ordinance provision means any one or any combination of leases, contracts, or purchases to or with Cook County or any Cook County agency in excess of \$25,000 in any calendar year.

"*Familial relationship*" means a person who is related to an official or employee as spouse or any of the following, whether by blood, marriage or adoption:

- | | | |
|-----------|-------------------|----------------|
| ▪ Parent | ▪ Grandparent | ▪ Stepfather |
| ▪ Child | ▪ Grandchild | ▪ Stepmother |
| ▪ Brother | ▪ Father-in-law | ▪ Stepson |
| ▪ Sister | ▪ Mother-in-law | ▪ Stepdaughter |
| ▪ Aunt | ▪ Son-in-law | ▪ Stepbrother |
| ▪ Uncle | ▪ Daughter-in-law | ▪ Stepsister |
| ▪ Niece | ▪ Brother-in-law | ▪ Half-brother |
| ▪ Nephew | ▪ Sister-in-law | ▪ Half-sister |

"*Person*" means any individual, entity, corporation, partnership, firm, association, union, trust, estate, as well as any parent or subsidiary of any of the foregoing, and whether or not operated for profit.

SWORN FAMILIAL RELATIONSHIP DISCLOSURE FORM

Pursuant to Section 2-582 of the Cook County Ethics Ordinance, any person* *doing business** with Cook County must disclose, to the Cook County Board of Ethics, the existence of *familial relationships** to any person holding elective office in the State of Illinois, Cook County, or in any municipality within Cook County. Please print your responses.

Name of Owner/Employee: Deb Krzeczowski Title: Regional HR Operational Manager

Business Entity Name: Johnson Controls Inc. Phone: 847-806-4523

Business Entity Address: 3007 Malmo Dr., Arlington Ht., IL 60005

_____ The following familial relationship exists between the owner or any employee of the business entity contracted to do business with Cook County *and* any person holding elective office in the State of Illinois, Cook County, or in any municipality within Cook County.

Owner/Employee Name:	Related to:	Relationship:
1. _____	_____	_____
2. _____	_____	_____
3. _____	_____	_____
4. _____	_____	_____
5. _____	_____	_____

If more space is needed, attach an additional sheet following the above format.

X There is *no* familial relationship that exists between the owner or any employee of the business entity contracted to do business with Cook County and any person holding elective office in the State of Illinois, Cook County, or in any municipality within Cook County.

To the best of my knowledge and belief, the information provided above is true and complete.

DL
Owner/Employee's Signature

5/14/13
Date

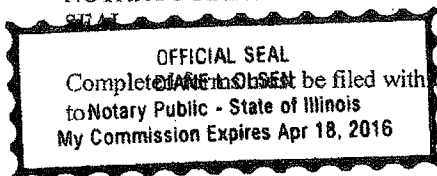
Subscribe and sworn before me this 14th Day of May, 2013

a Notary Public in and for Darage County

Diane J. Hosen
(Signature)

NOTARY PUBLIC

My Commission expires 4/18/16



Cook County Board of Ethics
69 West Washington Street,
Suite 3040
Chicago, Illinois 60602

SIGNATURE BY A CORPORATION
(SECTION 8)

The Undersigned hereby certifies and warrants: that all of the statements, certifications, and representations set forth in this EDS are true, complete and correct; that the Undersigned is in full compliance and will continue to be in compliance throughout the term of the Contract or County Privilege issued to the Undersigned with all the policies and requirements set forth in this EDS; and that all of the facts and information provided by the Undersigned in this EDS are true, complete and correct. The Undersigned agrees to inform the Chief Procurement Officer in writing if any of such statements, certifications, representations, facts or information becomes or is found to be untrue, incomplete or incorrect during the term of the Contract or County Privilege.

BUSINESS NAME: Johnson Controls Inc.

BUSINESS ADDRESS: 3007 Malmo Drive

Arlington Heights, IL 60005

BUSINESS TELEPHONE: 847/806-4468

FAX NUMBER: 847/364-1536

CONTACT PERSON: Dennis Bert

FEIN: 39-038-0010

*IL CORPORATE FILE NUMBER: 0037-918-2

LIST THE FOLLOWING CORPORATE OFFICERS:

PRESIDENT: Stephen A. Boell

VICE PRESIDENT: R. Bruce McDonald

SECRETARY: Jerome D. Okarna

TREASURER: Frank A. Voltolina

**SIGNATURE OF PRESIDENT: [Signature]

ATTEST: see attached Delegation of Authority (CORPORATE SECRETARY)

Subscribed and sworn to before me this

15 day of May, 2013

x [Signature]
Notary Public Signature

My commission expires: 11/25/16



* If the corporation is not registered in the State of Illinois, a copy of the Certificate of Good Standing from the state of incorporation must be submitted with this Signature Page.

** In the event that this Signature Page is signed by any persons than the President and Secretary, attach either a certified copy of the corporate by-laws, resolution or other authorization by the corporation, authorizing such persons to sign the Signature Page on behalf of the corporation.



DELEGATION OF AUTHORITY

The undersigned, President of Johnson Controls, Inc., a Wisconsin corporation (the "Company"), pursuant to the authority vested in him by a certain resolution adopted by the Board of Directors of the Company on January 23, 1980 hereby authorizes

Gregory Sivik
Branch Manager – Security & Fire Safety

to perform, on behalf of the Company, the acts described below:

To execute and deliver any and all contracts for the performance of work, sale of goods, and furnishing of services, and any other instruments in connection therewith and in the ordinary course of business.

This authority does not extend to:

- a. the execution of surety, performance or bid bonds;
- b. the collection, receipt and recovery of monies due or to become due to the Company and the issuance of receipts and releases for the payment thereof;
- c. the signing of any notes, contracts, or any other agreement to borrow money in the name of the Company, or any form of guaranty for the payment or performance of obligations of any subsidiary, affiliate, or joint venture of the Company; and
- d. the signing, on behalf of the company, of any deeds, abstracts, offers to purchase or any other instruments pertaining to the purchase or sale of real property.

This authority shall remain in full force and effect August 19, 2013.

Signed at Milwaukee, Wisconsin, this 20th day of February, 2013.

ATTEST:

Secretary

(SEAL)

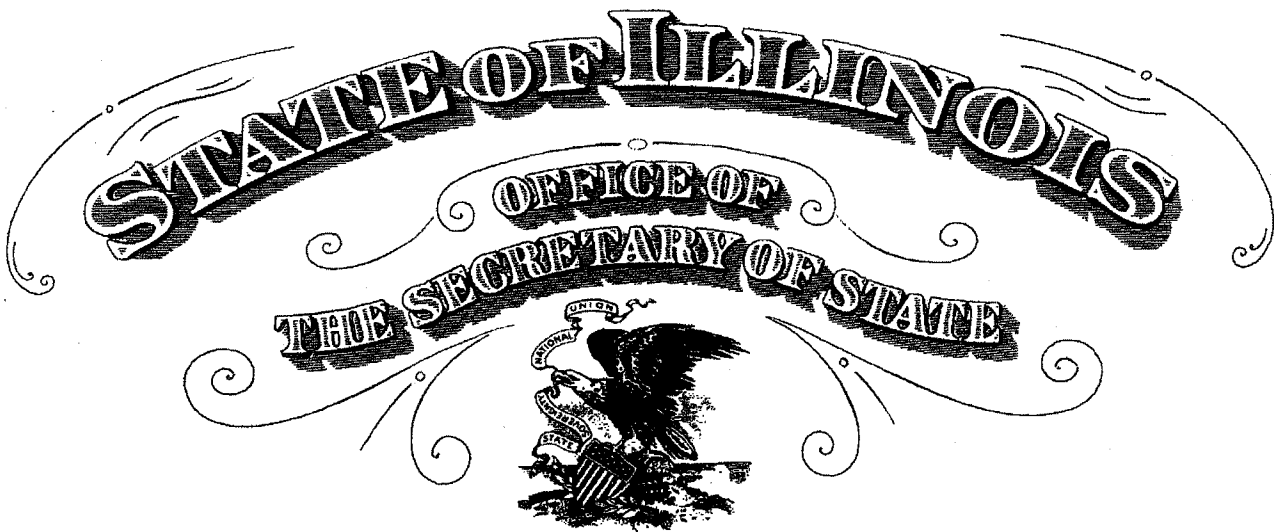


President



APPENDIX





To all to whom these Presents Shall Come, Greeting:

I, Jesse White, Secretary of State of the State of Illinois, do hereby certify that

JOHNSON CONTROLS, INC., INCORPORATED IN WISCONSIN AND LICENSED TO TRANSACT BUSINESS IN THIS STATE ON SEPTEMBER 06, 1904, APPEARS TO HAVE COMPLIED WITH ALL THE PROVISIONS OF THE BUSINESS CORPORATION ACT OF THIS STATE RELATING TO THE PAYMENT OF FRANCHISE TAXES, AND AS OF THIS DATE, IS A FOREIGN CORPORATION IN GOOD STANDING AND AUTHORIZED TO TRANSACT BUSINESS IN THE STATE OF ILLINOIS.



Authentication #: 1304300762

Authenticate at: <http://www.cyberdriveillinois.com>

In Testimony Whereof, I hereto set
*my hand and cause to be affixed the Great Seal of
the State of Illinois, this 12TH
day of FEBRUARY A.D. 2013 .*

Jesse White

SECRETARY OF STATE

State of Illinois

Department of Financial and Professional Regulation Division of Professional Regulation

LICENSE NO.

127.000406

124.000972

The person, firm or corporation whose name appears on this certificate has complied with the provisions of the Illinois Statutes and/or rules and regulations and is hereby authorized to engage in the activity as indicated below.

EXPIRES:

08/31/2014

PRIVATE ALARM CONTRACTOR AGENCY

JOHNSON CONTROLS INC

WAYNE A LEISIO

PO BOX 2012

MILWAUKEE, WI 53201



B. E. Adams

BRENT E. ADAMS
SECRETARY

Jay Stewart

JAY STEWART
DIRECTOR

The official status of this license can be verified at www.idfpr.com

5838636



Pegasys 2000 Configuration and Setup

3.0 CEU

**Awarded to
*Timothy Studniarz***



— *Alan E. Smith*
Course Administrator

— *Arthur W. Kase*
Director of Johnson Controls Institute

— September 14, 2001
Date



Visonic Technologies Ltd.

Enterprise Protection Solutions

Eiris Basic System Integrator Course

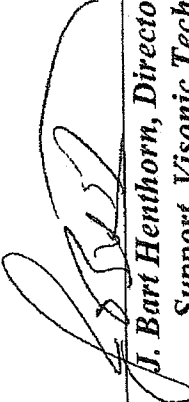
This is to certify that

Tim Studniarz

has successfully completed the Eiris Basic System Integrator Course

October 16, 2003

ELPAS
Local Technology Experts


J. Bart Henthorn, Director, Technical
Support, Visonic Technologies



Frank Terzi, Regional Sales Manager,
Visonic Technologies

GE

Security

This is to Certify that

Timothy Studniarz

Johnson Controls, Inc.

has successfully completed the

EST3 Program and Network Course

a factory training program for

Applications and Programming of the EST3 System

and is hereby awarded factory certification.

9/11/2006

30 Hours

Certification Number: 58219



Bill Mace Mudd

Instructor

[Signature]

Training Leader



EDWARDS SYSTEMS TECHNOLOGY, INC.

myEST

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EST INSTITUTE



TRANSCRIPT

**SIEMENS BUILDING
TECHNOLOGIES LANDIS DIVISION**

580 Slawin Court

60056

Voice: 847-803-
2700Fax: 847-803-
2733

Account #: 002349

Student Name: Christopher Estlund **eMail** 05/06/2004
Address: christopher.estlund@siemens.com

Completed Courses	Location	Class Date	Status	Rating
FireWorks Certification	Sarasota, FL	05/05/2003	Certified	Rate
FCC Certification	Sarasota, FL	07/08/2002	Certified	Rate
EST3 Program and Network	Sarasota, FL	11/09/1998	Certified	Rate
Signature Series Self-Study	Self-Study	01/28/1997	Certified	
IRC-3 Programming Recertification	Cincinnati, OH	03/06/1995	Certified	
IRC-3 Recertification	Cincinnati, OH	03/06/1995	Certified	
IRC-3 Recertification	Sarasota, FL	07/27/1992	Certified	
IRC-3 Programming	Sarasota, FL	04/15/1991	Certified	
EST Full Line Applications	Columbus	07/10/1990	Passed	
IRC-3 Installation	Sarasota, FL	04/30/1990	Certified	

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This is to Certify that:

Chris Estlund of

Siemens Building Technologies Landis Division

has successfully completed the

ES73/ALS3 Programming and Networking Course.

factory training on

Applications and Programming of the ES73/ALS3 System

and is hereby awarded Certification

11/9/98 5 CEU's

Date

Instructor

Training Manager



This is to Certify that:

Chris Estlund of

Landis & Staefa, Inc.

*has successfully completed the
Signature Series Self Study Course.*

training on

Signature Series

and is hereby awarded Certification.

5/29/97 2.0 CEU's

Date



Instructor

Training Manager



This is to Certify that:

Christopher Estlund

Siemens Building Technologies Landis Division

has successfully completed the

FireWorks Certification Course,

a factory training program for

Configuration & Programming of the FireWorks Color Graphics System

and is hereby awarded Factory Certification.

5/5/03 30 Hours

Date

Certification Number: 43126

R. J. K... ..

Instructor

B. J. L...

Training Manager



Edwards Systems Technology

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GE
Security

This is to Certify that

Christopher Estlund

Johnson Controls, Inc.

has successfully completed the

3-MODCOM Self Study Course

factory training for

Installation and Programming of the 3-MODCOM

and is hereby awarded factory certification.

2/14/2010 10 Hours


Instructor



Chris Hennings
Training Leader

ATTACHMENT 1:
BOARD TRANSMITTAL

Cook County Health & Hospitals System

BOARD APPROVAL REQUEST

SPONSOR: David Lai, AIA, LEED, AP, Director of Stroger Hospital Plant James DeLisa, Director of Plant Operations			EXECUTIVE SPONSOR: Anthony Rajkumar, Chief Business Officer <i>Anthony Rajkumar</i>		
DATE: 06/07/2013			PRODUCT / SERVICE: Services: Testing, Maintenance and Repair Services for the Security Systems, Building Automation Systems, Fire Alarm Systems, Two-way Radio System and Electrical Distribution Equipment.		
TYPE OF REQUEST: Execute Contract			VENDOR / SUPPLIER: Johnson Controls Inc., Arlington Heights, IL		
ACCOUNT 897-450	FACILITY Stroger	FISCAL IMPACT \$5,382,623.75	GRANT FUNDED RENEWAL AMOUNT: N/A		
CONTRACT PERIOD: 07/01/2013 thru 06/30/2016			CONTRACT NUMBER: H13-28-058		
<input checked="" type="checkbox"/> COMPETITIVE SELECTION METHODOLOGY:					
<input type="checkbox"/> NON-COMPETITIVE SELECTION METHODOLOGY:					
PRIOR CONTRACT HISTORY: Contract Number H09-72-037 (Re-bid) was awarded by the Cook County Health and Hospitals System Board in the amount of \$4,194,873.00 for a thirty-six (36) month period to provide testing, maintenance and repair services for the security systems, building automation systems, fire alarm systems, two-way radio system and electrical distribution equipment for the Stroger Hospital campus. On 03/19/2013, the contract was extended for an additional four (4) month period by Supply Chain Management from 03/01/2013 through 06/30/2013.					
NEW PROPOSAL JUSTIFICATION: This request is to enter into a new contract with Johnson Controls, Inc. to provide testing, maintenance and repair services for the security systems, building automation systems, fire alarm systems, two-way radio system and electrical distribution equipment. Johnson Controls, Inc. has met all specified criteria and submitted a cost effective response to meet the needs of the system.					
TERMS OF REQUEST: This is a request to execute contract number H13-28-058 in the amount of \$5,382,623.75 for a thirty-six (36) month period from 07/01/2013 thru 06/30/2016.					
CONTRACT COMPLIANCE HAS FOUND THIS CONTRACT RESPONSIVE? <input checked="" type="checkbox"/>					
ATTACHMENTS BID TABULATIONS: N/A CONTRACT COMPLIANCE MEMO: Yes			<div style="border: 2px solid black; padding: 10px; width: fit-content; margin: auto;"> <h3 style="margin: 0;">APPROVED</h3> <p style="font-size: 1.2em; margin: 5px 0;">JUN 27 2013</p> <p style="font-size: 0.8em; margin: 0;">BY BOARD OF DIRECTORS OF THE COOK COUNTY HEALTH AND HOSPITALS SYSTEM</p> </div>		
CCHHS CFO: <i>John Cookinham</i> John Cookinham, Chief Financial Officer					
CCHHS CEO: <i>Ram Raju</i> Ram Raju, M.D., Chief Executive Officer					
			Request # 9		

• Ambulatory & Community Health Network • Cermak Health Services • Department of Public Health •
 • John H. Stroger, Jr. Hospital of Cook County • Oak Forest Hospital • Provident Hospital • Ruth M. Rothstein
 CORE Center •

We Bring Health CARE to Your Community

Revised 03/01/2011

THE BOARD OF COMMISSIONERS

TONI PRECKWINKLE

PRESIDENT

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JERRY BUTLER	3rd Dist.	JOHN P. DALEY	11th Dist.
WILLIAM M. BEAVERS	4th Dist.	JOHN A. FRITCHEY	12th Dist.
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JOAN PATRICIA MURPHY	6th Dist.	GREGG GOSLIN	14th Dist.
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EDWIN REYES	8th Dist.	JEFFREY R. TOBOLSKI	16th Dist.
		ELIZABETH ANN DODDY GORMAN	17th Dist.



COOK COUNTY
OFFICE OF CONTRACT COMPLIANCE

LAVERNE HALL
DIRECTOR

118 North Clark Street, Room 1020
Chicago, Illinois 60602-1304
TEL (312) 603-5502
FAX (312) 603-4547

June 5, 2012

Mr. Edward del Castillo, President
PCS Power & Communications, Inc.
d/b/a Kel-Tech Electric Company
279 E. Helen Road
Palatine, IL 60067

Dear Mr. del Castillo:

Congratulations. We are pleased to inform you that PCS Power & Communications, Inc. d/b/a Kel-Tech Electric Company will maintain its certification as an MBE (9) by Cook County Government. This MBE Certification must be revalidated annually.

Please use the enclosed Certificate of Certification as validation of your Cook County MBE status and area of specialty.

As a condition of continued Certification during this three (3) year period, you must file a "No-Change Affidavit" within **sixty (60) business days** prior to the date of annual expiration. A processing fee of \$50.00, payable to Cook County Department of Revenue is required with the No-Change Affidavit. Failure to file this Affidavit shall result in the termination of your Certification. You must notify Cook County Government's Office of Contract Compliance within ten (10) days of any change in ownership or control or any other matters or facts affecting your firm's eligibility for Certification.

Your firm's participation on Cook County contracts will be credited toward MBE goals in your area(s) of specialty. While your participation on Cook County contracts is not limited to your area of specialty, credit toward MBE goals will only be recognized for work done in the specialty category.

Thank you for your continued interest in Cook County Government's Minority and Women Business Enterprise Programs.


Sincerely,

LaVerne Hall
Director
LH/ek



COOK COUNTY HEALTH AND HOSPITALS SYSTEM SIGNATURE PAGE
(SECTION 9)

ON BEHALF OF THE COOK COUNTY HEALTH AND HOSPITALS SYSTEM ("CCHHS") THIS
CONTRACT, H13-28-058, IS HEREBY EXECUTED BY:



RAMANATHAN RAJU, M.D. CHIEF EXECUTIVE OFFICER, CCHHS

DATED AT CHICAGO, ILLINOIS THIS _____ DAY OF _____, 20____.

IN THE CASE OF A BID PROPOSAL, THE COUNTY HEREBY ACCEPTS:

THE FOREGOING BID/PROPOSAL AS IDENTIFIED IN THE CONTRACT NUMBER

H13-28-058

OR

ITEMS(S), SECTION(S), PART(S):

In whole

TOTAL AMOUNT OF CONTRACT: \$ 5,382,623.75
(DOLLARS AND CENTS)

APPROVED TO FORM:



ASSISTANT STATES ATTORNEY

CONTRACT NO: 1530-15039

EXHIBIT 3

Evidence of Insurance



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
11/17/2015

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Marsh USA Inc. 411 E. Wisconsin Avenue Suite 1300 Milwaukee, WI 53202 Attn: JCI.Certrequest@marsh.com 011077--CAS-15-16*	CONTACT NAME: PHONE (A/C, No, Ext): E-MAIL ADDRESS: FAX (A/C, No):
INSURED Johnson Controls, Inc. York International Corporation Attn: Corp. Risk Mgmt. X-92 P.O. Box 591 5757 N. Green Bay Ave. Milwaukee, WI 53201	INSURER(S) AFFORDING COVERAGE INSURER A: Old Republic Insurance Company INSURER B: North American Elite Insurance Company INSURER C: Indemnity Insurance Company of North America INSURER D: ACE American Insurance Company INSURER E: ACE Fire Underwriters Insurance Company INSURER F:
15-16	NAIC # 24147 29700 43575 22667 20702

COVERAGES

CERTIFICATE NUMBER:

CHI-006461179-02

REVISION NUMBER:2

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> Contractual Liability <input checked="" type="checkbox"/> XCU Included GEN'L AGGREGATE LIMIT APPLIES PER: <input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:			MWZY305447	10/01/2015	10/01/2016	EACH OCCURRENCE \$ 10,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 10,000,000 MED EXP (Any one person) \$ 50,000 PERSONAL & ADV INJURY \$ 10,000,000 GENERAL AGGREGATE \$ 30,000,000 PRODUCTS - COMP/OP AGG \$ INC IN GEN AGG \$
D	AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> NON-OWNED AUTOS			ISA H08860373	10/01/2015	10/01/2016	COMBINED SINGLE LIMIT (Ea accident) \$ 5,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
B	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED RETENTION \$			UMB 2000252 00	10/01/2015	10/01/2016	EACH OCCURRENCE \$ 5,000,000 AGGREGATE \$ 5,000,000 \$
C	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N N	N/A	WLR C48591851 (AOS - See page 2) WLR C4859184A (CA, MA) SCF C48591875 (WI) WCU C48591863 (Excess WC - OH, WA)	10/01/2015 10/01/2015 10/01/2015 10/01/2015	10/01/2016 10/01/2016 10/01/2016 10/01/2016	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ 5,000,000 E.L. DISEASE - EA EMPLOYEE \$ 5,000,000 E.L. DISEASE - POLICY LIMIT \$ 5,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

Re: Contract No: 1530-15039

Cook County, its officials, employees and agents are included as additional insured per the attached.

CERTIFICATE HOLDER

CANCELLATION

Cook County Government
118 North Clark Street, Room 1018
Chicago, IL 60602

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE
of Marsh USA Inc.

Manashi Mukherjee

Manashi Mukherjee

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ADDITIONAL REMARKS SCHEDULE

Page 2 of 2

AGENCY Marsh USA Inc.		NAMED INSURED Johnson Controls, Inc. York International Corporation Attn: Corp. Risk Mgmt. X-92 P.O. Box 591 5757 N. Green Bay Ave. Milwaukee, WI 53201	
POLICY NUMBER		EFFECTIVE DATE:	
CARRIER	NAIC CODE		

ADDITIONAL REMARKS

THIS ADDITIONAL REMARKS FORM IS A SCHEDULE TO ACORD FORM,

FORM NUMBER: 25 **FORM TITLE:** Certificate of Liability Insurance

WORKERS COMPENSATION

Workers Compensation "AOS" Policy includes coverage for the following states: AK, AL, AR, AZ, CO, CT, DC, DE, FL, GA, HI, IA, IL, IN, KS, KY, LA, MD, ME, MI, MN, MO, MS, MT, NC, NE, NH, NJ, NM, NV, NY, OK, OR, PA, RI, SC, SD, TN, TX, UT, VA, VT, WV

PRIMARY COVERAGE

The General Liability and Automobile Liability policies are primary and not excess of or contributing with other insurance or self-insurance, where required by written lease or written contract. For General Liability, this applies to both ongoing and completed operations.

WAIVER OF SUBROGATION

The General Liability, Automobile Liability, Workers Compensation and Employers Liability policies include a waiver of subrogation in favor of the certificate holder and any other person or organization to the extent required by written contract.

ADDITIONAL INSURED - AUTOMOBILE LIABILITY

The Automobile Liability policy, if required by written contract, includes coverage for Additional Insureds as required by such written contract.

ADDITIONAL INSURED - GENERAL LIABILITY

For General Liability, if required by written contract, the following are included as additional insureds, as required pursuant to a written contract with a named insured, per attached Policy Endorsements A2 and A2A: THE CERTIFICATE HOLDER LISTED ON THIS CERTIFICATE OF LIABILITY INSURANCE, AND EACH OTHER PERSON OR ORGANIZATION REQUIRED TO BE INCLUDED AS AN ADDITIONAL INSURED PURSUANT TO A WRITTEN CONTRACT WITH THE NAMED INSURED.

UMBRELLA/EXCESS LIABILITY

The Umbrella/Excess Liability Limit that applies is the amount indicated on the face of this Certificate of Liability Insurance, or the minimum Umbrella/Excess Liability limit that is required by the written contract, whichever is less. However, if the primary insurance policies noted on the face of this Certificate of Liability Insurance satisfy the combination of minimum primary limits and minimum Umbrella/Excess Liability limits required by the written contract, the Umbrella/Excess Liability limits shown on the face of this Certificate of Liability Insurance do not apply.

IL 10 (12/06) OLD REPUBLIC INSURANCE COMPANY

**ADDITIONAL INSURED - OWNERS, LESSEES OR CONTRACTORS - SCHEDULED
PERSON OR ORGANIZATION - ENDORSEMENT A2**

Named Insured Johnson Controls, Inc.			Endorsement Number
Policy Prefix MWZY	Policy Number 305447	Policy Period 10/01/2015 to 10/01/2016	Effective Date of Endorsement
Issued By Old Republic Insurance Company			

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART

SCHEDULE

Name Of Additional Insured Person(s) Or Organization(s):

If required by contract, the person or organization listed on the certificate of insurance as additional insured, and each other person or organization required to be included as an additional insured pursuant to a contract with a named insured.

Location(s) Of Covered Operations:

As required by contract.

Information required to complete this Schedule, if not shown above, will be shown in the Declarations.

- A. Section II - Who is An Insured** is amended to include as an additional insured the person(s) or organization(s) shown in the Schedule, but only with respect to liability for "bodily injury", "property damage" or "personal and advertising injury" caused solely by:

1. Your acts or omissions; or
2. The acts or omissions of those acting on your behalf;

in the performance of your ongoing operations for the additional insured(s) at the location(s) designated above.

- B. With respect to the insurance afforded to these additional insureds, the following additional exclusions apply:**

This insurance does not apply to "bodily injury" or "property damage" occurring after:

1. All work, including materials, parts or equipment furnished in connection with such work, on the project (other than service, maintenance or repairs) to be performed by or on behalf of the additional insured(s) at the location of the covered operations has been completed; or
2. That portion of "your work" out of which the injury or damage arises has been put to its intended use by any person or organization other than another contractor or subcontractor engaged in performing operations for a principal as a part of the same project.

GL 289 001 1012

IL 10 (12/06) OLD REPUBLIC INSURANCE COMPANY

**ADDITIONAL INSURED - OWNERS, LESSEES OR CONTRACTORS - COMPLETED
OPERATIONS - ENDORSEMENT A2A**

Named Insured Johnson Controls, Inc.			Endorsement Number
Policy Prefix MWZY	Policy Number 305447	Policy Period 10/01/2015 to 10/01/2016	Effective Date of Endorsement
Issued By Old Republic Insurance Company			

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART

SCHEDULE

Name Of Additional Insured Person(s) Or Organization(s):

If required by contract, the person or organization listed on the certificate of insurance as additional insured, and each other person or organization required to be included as an additional insured pursuant to a contract with a named insured.

Location And Description Of Completed Operations:

As required by contract.

Information required to complete this Schedule, if not shown above, will be shown in the Declarations.

Section II - Who Is An Insured is amended to include as an additional insured the person(s) or organization(s) shown in the Schedule, but only with respect to liability for "bodily injury" or "property damage" caused solely by "your work" at the location designated and described in the Schedule of this endorsement performed for that additional insured and included in the "products-completed operations hazard".

CONTRACT NO: 1530-15039

EXHIBIT 4

Electronic Payables Program

OFFICE OF THE COOK COUNTY COMPTROLLER
ELECTRONIC PAYABLES PROGRAM ("E-PAYABLES")

FOR INFORMATION PURPOSES ONLY

This document describes the Office of the Cook County Comptroller's Electronic Payables Program ("E-Payables").
If you wish to participate in E-Payables, please contact the Cook County Comptroller's Office, Accounts Payable, 118 N. Clark
Street, Room 500, Chicago, IL 60602.

DESCRIPTION

To increase payment efficiency and timeliness, we have introduced E-Payables program, a new payment initiative to our accounts payable model. This new initiative utilizes a Visa purchasing card and operates through the Visa payment network. This is County's preferred method of payment and your participation in our Visa purchasing card program will provide mutual benefits both to your organization and ours.

As a vendor, you may experience the following benefits by accepting this new payment type:

- Improved cash flow and accelerated payment
- Reduced paperwork and a more streamlined accounts receivable process
- Elimination of stop payment issues
- Reduced payment delays
- Reduced costs for handling paper checks
- Payments settled directly to your merchant account

There are two options within this initiative:

1. Dedicated Credit Card – "PULL" Settlement

For this option, you will have an assigned dedicated credit card to be used for each payment. You will provide a point of contact within your organization who will keep credit card information on file. Each time a payment is made, you will receive a remittance advice via email detailing the invoices being paid. Each time you receive a remittance advice, you will process payments in the same manner you process credit card transactions today.

2. One-Time Use Credit Card – "SUGA" Settlement

For this option, you will provide a point of contact within your organization who will receive an email notification authorizing you to process payments in the same manner you process credit card transactions today. Each time payment is made, you will receive a remittance advice, via email, detailing the invoices being paid. Also, each time you receive a remittance advice, you will receive a new, unique credit card number. This option is ideal for suppliers who are unable to keep credit card account information on file.

REMAINDER OF PAGE INTENTIONALLY LEFT BLANK

CONTRACT NO: 1530-15039

EXHIBIT 5

Identification of Subcontractor/Supplier/Subconsultant Form

Cook County
Office of the Chief Procurement Officer
Identification of Subcontractor/Supplier/Subconsultant Form

OCPO ONLY:

- ☐ Disqualification
☐ Check Complete

The Bidder/Proposer/Respondent ("the Contractor") will fully complete and execute and submit an Identification of Subcontractor/Supplier/Subconsultant Form ("ISF") with each Bid, Request for Proposal, and Request for Qualification. **The Contractor must complete the ISF for each Subcontractor, Supplier or Subconsultant which shall be used on the Contract.** In the event that there are any changes in the utilization of Subcontractors, Suppliers or Subconsultants, the Contractor must file an updated ISF.

Bid/RFP/RFQ No.: 1530-15039	Date: 11/3/15
Total Bid or Proposal Amount: \$55,180.00	Contract Title: Proximity Cards
Contractor: Johnson Controls, Inc.	Subcontractor/Supplier/ Subconsultant to be N/A added or substitute:
Authorized Contact for Contractor: Jacqueline Sertesén	Authorized Contact for Subcontractor/Supplier/ Subconsultant:
Email Address (Contractor): jacqueline.sertesén@jci.com	Email Address (Subcontractor):
Company Address 3007 Malmo Drive (Contractor):	Company Address (Subcontractor):
City, State and Arlington Heights, IL Zip (Contractor): 60005	City, State and Zip (Subcontractor):
Telephone and Fax 847/806-4400 (Contractor) 847/364/1536	Telephone and Fax (Subcontractor):
Estimated Start and Completion Dates (Contractor)	Estimated Start and Completion Dates (Subcontractor)

Note: Upon request, a copy of all written subcontractor agreements must be provided to the OCPO.

<u>Description of Services or Supplies</u>	<u>Total Price of Subcontract for Services or Supplies</u>

The subcontract documents will incorporate all requirements of the Contract awarded to the Contractor as applicable. The subcontract will in no way hinder the Subcontractor/Supplier/Subconsultant from maintaining its progress on any other contract on which it is either a Subcontractor/Supplier/Subconsultant or principal contractor. This disclosure is made with the understanding that the Contractor is not under any circumstances relieved of its abilities and obligations, and is responsible for the organization, performance, and quality of work. **This form does not approve any proposed changes, revisions or modifications to the contract approved MBE/WBE Utilization Plan.** Any changes to the contract's approved MBE/WBE/Utilization Plan must be submitted to the Office of the Contract Compliance.

Contractor Johnson Controls, Inc.

Name	Jacqueline Sertesén, CSA II
Title	11/3/15
Prime Contractor Signature	Date

CONTRACT NO: 1530-15039

EXHIBIT 6

**Minority and Women Owned Business Enterprise Commitment
and MBE/WBE Utilization Plan**

CONTRACT NO. 1530-15039

Johnson Controls, Inc.

Per the attached correspondence, the Office of Contract Compliance assigned a 0% MBE/WBE subcontracting goal to the underlying contract mentioned above. Therefore, this amendment does not require the Vendor to provide a MBE/WBE Utilization Plan.

From: Lisa Alexander (Contract Compliance)
To: Nicole Large (Procurement)
Subject: Revised Goal Recommendation
Date: Wednesday, October 07, 2015 3:44:58 PM

Good Afternoon Nicole,

Please be advised that the established goal for contract no. 1530-15039 for Access Cards for the Department of Human Resources is 0% MBE and 0% WBE participation. If you have any further questions and/or concerns don't hesitate to contact me.

Thanks,

Lisa Alexander, MCA
Deputy Director
Office of Contract Compliance
118 North Clark Street, Room 1020
Chicago, IL 60602
312.603.5513
lisa.alexander@cookcountyil.gov

MBE/WBE UTILIZATION PLAN - FORM 1

BIDDER/PROPOSER HEREBY STATES that all MBE/WBE firms included in this Plan are certified MBEs/WBEs by at least one of the entities listed in the General Conditions – Section 19.

I. BIDDER/PROPOSER MBE/WBE STATUS: (check the appropriate line)

- _____ Bidder/Proposer is a certified MBE or WBE firm. (If so, attach copy of current Letter of Certification)
- _____ Bidder/Proposer is a Joint Venture and one or more Joint Venture partners are certified MBEs or WBEs. (If so, attach copies of Letter(s) of Certification, a copy of Joint Venture Agreement clearly describing the role of the MBE/WBE firm(s) and its ownership interest in the Joint Venture and a completed Joint Venture Affidavit – available online at www.cookcountyil.gov/contractcompliance)
- _____ Bidder/Proposer is not a certified MBE or WBE firm, nor a Joint Venture with MBE/WBE partners, but will utilize MBE and WBE firms either directly or indirectly in the performance of the Contract. (If so, complete Sections II below and the Letter(s) of Intent – Form 2).

II. ☐ **Direct Participation of MBE/WBE Firms** ☐ **Indirect Participation of MBE/WBE Firms**

NOTE: Where goals have not been achieved through direct participation, Bidder/Proposer shall include documentation outlining efforts to achieve Direct Participation at the time of Bid/Proposal submission. Indirect Participation will only be considered after all efforts to achieve Direct Participation have been exhausted. Only after written documentation of Good Faith Efforts is received will Indirect Participation be considered.

MBEs/WBEs that will perform as subcontractors/suppliers/consultants include the following:

MBE/WBE Firm: _____

Address: _____

E-mail: _____

Contact Person: _____ Phone: _____

Dollar Amount Participation: \$ _____

Percent Amount of Participation: _____ %

*Letter of Intent attached? Yes _____ No _____

*Current Letter of Certification attached? Yes _____ No _____

MBE/WBE Firm: _____

Address: _____

E-mail: _____

Contact Person: _____ Phone: _____

Dollar Amount Participation: \$ _____

Percent Amount of Participation: _____ %

*Letter of Intent attached? Yes _____ No _____

*Current Letter of Certification attached? Yes _____ No _____

Attach additional sheets as needed.

*** Letter(s) of Intent and current Letters of Certification must be submitted at the time of bid.**

MBE/WBE LETTER OF INTENT - FORM 2

M/WBE Firm: _____

Certifying Agency: _____

Contact Person: _____

Certification Expiration Date: _____

Address: _____

Ethnicity: _____

City/State: _____ Zip: _____

Bid/Proposal/Contract #: _____

Phone: _____ Fax: _____

FEIN #: _____

Email: _____

Participation: ☐ Direct ☐ Indirect

Will the M/WBE firm be subcontracting any of the goods or services of this contract to another firm?

☐ No ☐ Yes – Please attach explanation. Proposed Subcontractor(s): _____

The undersigned M/WBE is prepared to provide the following Commodities/Services for the above named Project/ Contract: *(If more space is needed to fully describe M/WBE Firm's proposed scope of work and/or payment schedule, attach additional sheets)*

Indicate the **Dollar Amount**, **Percentage**, and the **Terms of Payment** for the above-described Commodities/ Services:

THE UNDERSIGNED PARTIES AGREE that this Letter of Intent will become a binding Subcontract Agreement for the above work, conditioned upon (1) the Bidder/Proposer's receipt of a signed contract from the County of Cook; (2) Undersigned Subcontractor remaining compliant with all relevant credentials, codes, ordinances and statutes required by Contractor, Cook County, and the State to participate as a MBE/WBE firm for the above work. The Undersigned Parties do also certify that they did not affix their signatures to this document until all areas under Description of Service/ Supply and Fee/Cost were completed.

Signature (M/WBE)

Signature (Prime Bidder/Proposer)

Print Name

Print Name

Firm Name

Firm Name

Date

Date

Subscribed and sworn before me

Subscribed and sworn before me

this ____ day of _____, 20 ____.

this ____ day of _____, 20 ____.

Notary Public _____

Notary Public _____

SEAL

SEAL

PETITION FOR WAIVER OF MBE/WBE PARTICIPATION – FORM 3

A. BIDDER/PROPOSER HEREBY REQUESTS:

☒

FULL MBE WAIVER

☒

FULL WBE WAIVER

☐

REDUCTION (PARTIAL MBE and/or WBE PARTICIPATION)

_____ % of Reduction for MBE Participation

_____ % of Reduction for WBE Participation

B. REASON FOR FULL/REDUCTION WAIVER REQUEST

Bidder/Proposer shall check each item applicable to its reason for a waiver request. Additionally, supporting documentation shall be submitted with this request.

☒

(1) Lack of sufficient qualified MBEs and/or WBEs capable of providing the goods or services required by the contract. **(Please explain)** Proximity cards being purchased under this agreement must be ordered from HID, who are not a MBE/WBE.

☐

(2) The specifications and necessary requirements for performing the contract make it impossible or economically infeasible to divide the contract to enable the contractor to utilize MBEs and/or WBEs in accordance with the applicable participation. **(Please explain)**

☐

(3) Price(s) quoted by potential MBEs and/or WBEs are above competitive levels and increase cost of doing business and would make acceptance of such MBE and/or WBE bid economically impracticable, taking into consideration the percentage of total contract price represented by such MBE and/or WBE bid. **(Please explain)**

☐

(4) There are other relevant factors making it impossible or economically infeasible to utilize MBE and/or WBE firms. **(Please explain)**

C. GOOD FAITH EFFORTS TO OBTAIN MBE/WBE PARTICIPATION

☐

(1) Made timely written solicitation to identified MBEs and WBEs for utilization of goods and/or services; and provided MBEs and WBEs with a timely opportunity to review and obtain relevant specifications, terms and conditions of the proposal to enable MBEs and WBEs to prepare an informed response to solicitation. **(Attach of copy written solicitations made)**

☐

(2) Used the services and assistance of the Office of Contract Compliance staff. **(Please explain)**

☐

(3) Timely notified and used the services and assistance of community, minority and women business organizations. **(Attach of copy written solicitations made)**

☐

(4) Followed up on initial solicitation of MBEs and WBEs to determine if firms are interested in doing business. **(Attach supporting documentation)**

☐

(5) Engaged MBEs & WBEs for direct/indirect participation. **(Please explain)**

D. OTHER RELEVANT INFORMATION

Attach any other documentation relative to Good Faith Efforts in complying with MBE/WBE participation.

CONTRACT NO: 1530-15039

EXHIBIT 7

Economic Disclosure Forms

**COOK COUNTY
ECONOMIC DISCLOSURE STATEMENT
AND EXECUTION DOCUMENT
INDEX**

Section	Description	Pages
1	Instructions for Completion of EDS	EDS i - ii
2	Certifications	EDS 1- 2
3	Economic and Other Disclosures, Affidavit of Child Support Obligations, Disclosure of Ownership Interest and Familial Relationship Disclosure Form	EDS 3 - 12
4	Cook County Affidavit for Wage Theft Ordinance	EDS 13-14
5	Contract and EDS Execution Page	EDS 15-17
6	Cook County Signature Page	EDS 18

SECTION 1
INSTRUCTIONS FOR COMPLETION OF
ECONOMIC DISCLOSURE STATEMENT AND EXECUTION DOCUMENT

This Economic Disclosure Statement and Execution Document ("EDS") is to be completed and executed by every Bidder on a County contract, every Proposer responding to a Request for Proposals, and every Respondent responding to a Request for Qualifications, and others as required by the Chief Procurement Officer. The execution of the EDS shall serve as the execution of a contract awarded by the County. The Chief Procurement Officer reserves the right to request that the Bidder or Proposer, or Respondent provide an updated EDS on an annual basis.

Definitions. Terms used in this EDS and not otherwise defined herein shall have the meanings given to such terms in the Instructions to Bidders, General Conditions, Request for Proposals, Request for Qualifications, as applicable.

Affiliate means a person that directly or indirectly through one or more intermediaries, Controls is Controlled by, or is under common Control with the Person specified.

Applicant means a person who executes this EDS.

Bidder means any person who submits a Bid.

Code means the Code of Ordinances, Cook County, Illinois available on municode.com.

Contract shall include any written document to make Procurements by or on behalf of Cook County.

Contractor or *Contracting Party* means a person that enters into a Contract with the County.

Control means the unfettered authority to directly or indirectly manage governance, administration, work, and all other aspects of a business.

EDS means this complete Economic Disclosure Statement and Execution Document, including all sections listed in the Index and any attachments.

Joint Venture means an association of two or more Persons proposing to perform a for-profit business enterprise. Joint Ventures must have an agreement in writing specifying the terms and conditions of the relationship between the partners and their relationship and respective responsibility for the Contract

Lobby or *lobbying* means to, for compensation, attempt to influence a County official or County employee with respect to any County matter.

Lobbyist means any person who lobbies.

Person or *Persons* means any individual, corporation, partnership, Joint Venture, trust, association, Limited Liability Company, sole proprietorship or other legal entity.

Prohibited Acts means any of the actions or occurrences which form the basis for disqualification under the Code, or under the Certifications hereinafter set forth.

Proposal means a response to an RFP.

Proposer means a person submitting a Proposal.

Response means response to an RFQ.

Respondent means a person responding to an RFQ.

RFP means a Request for Proposals issued pursuant to this Procurement Code.

RFQ means a Request for Qualifications issued to obtain the qualifications of interested parties.

**INSTRUCTIONS FOR COMPLETION OF
ECONOMIC DISCLOSURE STATEMENT AND EXECUTION DOCUMENT**

Section 1: Instructions. Section 1 sets forth the instructions for completing and executing this EDS.

Section 2: Certifications. Section 2 sets forth certifications that are required for contracting parties under the Code and other applicable laws. Execution of this EDS constitutes a warranty that all the statements and certifications contained, and all the facts stated, in the Certifications are true, correct and complete as of the date of execution.

Section 3: Economic and Other Disclosures Statement. Section 3 is the County's required Economic and Other Disclosures Statement form. Execution of this EDS constitutes a warranty that all the information provided in the EDS is true, correct and complete as of the date of execution, and binds the Applicant to the warranties, representations, agreements and acknowledgements contained therein.

Required Updates. The Applicant is required to keep all information provided in this EDS current and accurate. In the event of any change in the information provided, including but not limited to any change which would render inaccurate or incomplete any certification or statement made in this EDS, the Applicant shall supplement this EDS up to the time the County takes action, by filing an amended EDS or such other documentation as is required.

Additional Information. The County's Governmental Ethics and Campaign Financing Ordinances impose certain duties and obligations on persons or entities seeking County contracts, work, business, or transactions, and the Applicant is expected to comply fully with these ordinances. For further information please contact the Director of Ethics at (312) 603-4304 (69 W. Washington St. Suite 3040, Chicago, IL 60602) or visit the web-site at cookcountyil.gov/ethics-board-of.

Authorized Signers of Contract and EDS Execution Page. If the Applicant is a corporation, the President and Secretary must execute the EDS. In the event that this EDS is executed by someone other than the President, attach hereto a certified copy of that section of the Corporate By-Laws or other authorization by the Corporation, satisfactory to the County that permits the person to execute EDS for said corporation. If the corporation is not registered in the State of Illinois, a copy of the Certificate of Good Standing from the state of incorporation must be submitted with this Signature Page.

If the Applicant is a partnership or joint venture, all partners or joint venturers must execute the EDS, unless one partner or joint venture has been authorized to sign for the partnership or joint venture, in which case, the partnership agreement, resolution or evidence of such authority satisfactory to the Office of the Chief Procurement Officer must be submitted with this Signature Page.

If the Applicant is a member-managed LLC all members must execute the EDS, unless otherwise provided in the operating agreement, resolution or other corporate documents. If the Applicant is a manager-managed LLC, the manager(s) must execute the EDS. The Applicant must attach either a certified copy of the operating agreement, resolution or other authorization, satisfactory to the County, demonstrating such person has the authority to execute the EDS on behalf of the LLC. If the LLC is not registered in the State of Illinois, a copy of a current Certificate of Good Standing from the state of incorporation must be submitted with this Signature Page.

If the Applicant is a Sole Proprietorship, the sole proprietor must execute the EDS.

A "Partnership" "Joint Venture" or "Sole Proprietorship" operating under an Assumed Name must be registered with the Illinois county in which it is located, as provided in 805 ILCS 405 (2012), and documentation evidencing registration must be submitted with the EDS.

SECTION 2

CERTIFICATIONS

THE FOLLOWING CERTIFICATIONS ARE MADE PURSUANT TO STATE LAW AND THE CODE. THE APPLICANT IS CAUTIONED TO CAREFULLY READ THESE CERTIFICATIONS PRIOR TO SIGNING THE SIGNATURE PAGE. SIGNING THE SIGNATURE PAGE SHALL CONSTITUTE A WARRANTY BY THE APPLICANT THAT ALL THE STATEMENTS, CERTIFICATIONS AND INFORMATION SET FORTH WITHIN THESE CERTIFICATIONS ARE TRUE, COMPLETE AND CORRECT AS OF THE DATE THE SIGNATURE PAGE IS SIGNED. THE APPLICANT IS NOTIFIED THAT IF THE COUNTY LEARNS THAT ANY OF THE FOLLOWING CERTIFICATIONS WERE FALSELY MADE, THAT ANY CONTRACT ENTERED INTO WITH THE APPLICANT SHALL BE SUBJECT TO TERMINATION.

A. PERSONS AND ENTITIES SUBJECT TO DISQUALIFICATION

No person or business entity shall be awarded a contract or sub-contract, for a period of five (5) years from the date of conviction or entry of a plea or admission of guilt, civil or criminal, if that person or business entity:

- 1) Has been convicted of an act committed, within the State of Illinois, of bribery or attempting to bribe an officer or employee of a unit of state, federal or local government or school district in the State of Illinois in that officer's or employee's official capacity;
- 2) Has been convicted by federal, state or local government of an act of bid-rigging or attempting to rig bids as defined in the Sherman Anti-Trust Act and Clayton Act. Act. 15 U.S.C. Section 1 *et seq.*;
- 3) Has been convicted of bid-rigging or attempting to rig bids under the laws of federal, state or local government;
- 4) Has been convicted of an act committed, within the State, of price-fixing or attempting to fix prices as defined by the Sherman Anti-Trust Act and the Clayton Act. 15 U.S.C. Section 1, *et seq.*;
- 5) Has been convicted of price-fixing or attempting to fix prices under the laws the State;
- 6) Has been convicted of defrauding or attempting to defraud any unit of state or local government or school district within the State of Illinois;
- 7) Has made an admission of guilt of such conduct as set forth in subsections (1) through (6) above which admission is a matter of record, whether or not such person or business entity was subject to prosecution for the offense or offenses admitted to; or
- 8) Has entered a plea of *nolo contendere* to charge of bribery, price-fixing, bid-rigging, or fraud, as set forth in subparagraphs (1) through (6) above.

In the case of bribery or attempting to bribe, a business entity may not be awarded a contract if an official, agent or employee of such business entity committed the Prohibited Act on behalf of the business entity and pursuant to the direction or authorization of an officer, director or other responsible official of the business entity, and such Prohibited Act occurred within three years prior to the award of the contract. In addition, a business entity shall be disqualified if an owner, partner or shareholder controlling, directly or indirectly, 20% or more of the business entity, or an officer of the business entity has performed any Prohibited Act within five years prior to the award of the Contract.

THE APPLICANT HEREBY CERTIFIES THAT: The Applicant has read the provisions of Section A, Persons and Entities Subject to Disqualification, that the Applicant has not committed any Prohibited Act set forth in Section A, and that award of the Contract to the Applicant would not violate the provisions of such Section or of the Code.

B. BID-RIGGING OR BID ROTATING

THE APPLICANT HEREBY CERTIFIES THAT: In accordance with 720 ILCS 5/33 E-11, neither the Applicant nor any Affiliated Entity is barred from award of this Contract as a result of a conviction for the violation of State laws prohibiting bid-rigging or bid rotating.

C. DRUG FREE WORKPLACE ACT

THE APPLICANT HEREBY CERTIFIES THAT: The Applicant will provide a drug free workplace, as required by (30 ILCS 580/3).

D. DELINQUENCY IN PAYMENT OF TAXES

THE APPLICANT HEREBY CERTIFIES THAT: *The Applicant is not an owner or a party responsible for the payment of any tax or fee administered by Cook County, by a local municipality, or by the Illinois Department of Revenue, which such tax or fee is delinquent, such as bar award of a contract or subcontract pursuant to the Code, Chapter 34, Section 34-171.*

E. HUMAN RIGHTS ORDINANCE

No person who is a party to a contract with Cook County ("County") shall engage in unlawful discrimination or sexual harassment against any individual in the terms or conditions of employment, credit, public accommodations, housing, or provision of County facilities, services or programs (Code Chapter 42, Section 42-30 *et seq.*).

F. ILLINOIS HUMAN RIGHTS ACT

THE APPLICANT HEREBY CERTIFIES THAT: *It is in compliance with the Illinois Human Rights Act (775 ILCS 5/2-105), and agrees to abide by the requirements of the Act as part of its contractual obligations.*

G. INSPECTOR GENERAL (COOK COUNTY CODE, CHAPTER 34, SECTION 34-174 and Section 34-250)

The Applicant has not willfully failed to cooperate in an investigation by the Cook County Independent Inspector General or to report to the Independent Inspector General any and all information concerning conduct which they know to involve corruption, or other criminal activity, by another county employee or official, which concerns his or her office of employment or County related transaction.

The Applicant has reported directly and without any undue delay any suspected or known fraudulent activity in the County's Procurement process to the Office of the Cook County Inspector General.

H. CAMPAIGN CONTRIBUTIONS (COOK COUNTY CODE, CHAPTER 2, SECTION 2-585)

THE APPLICANT CERTIFIES THAT: It has read and shall comply with the Cook County's Ordinance concerning campaign contributions, which is codified at Chapter 2, Division 2, Subdivision II, Section 585, and can be read in its entirety at www.municode.com.

I. GIFT BAN, (COOK COUNTY CODE, CHAPTER 2, SECTION 2-574)

THE APPLICANT CERTIFIES THAT: It has read and shall comply with the Cook County's Ordinance concerning receiving and soliciting gifts and favors, which is codified at Chapter 2, Division 2, Subdivision II, Section 574, and can be read in its entirety at www.municode.com.

J. LIVING WAGE ORDINANCE PREFERENCE (COOK COUNTY CODE, CHAPTER 34, SECTION 34-160;

Unless expressly waived by the Cook County Board of Commissioners, the Code requires that a living wage must be paid to individuals employed by a Contractor which has a County Contract and by all subcontractors of such Contractor under a County Contract, throughout the duration of such County Contract. The amount of such living wage is annually by the Chief Financial Officer of the County, and shall be posted on the Chief Procurement Officer's website.

The term "Contract" as used in Section 4, I, of this EDS, specifically excludes contracts with the following:

- 1) Not-For Profit Organizations (defined as a corporation having tax exempt status under Section 501(C)(3) of the United State Internal Revenue Code and recognized under the Illinois State not-for -profit law);
- 2) Community Development Block Grants;
- 3) Cook County Works Department;
- 4) Sheriff's Work Alternative Program; and
- 5) Department of Correction inmates.

SECTION 3

REQUIRED DISCLOSURES

1. DISCLOSURE OF LOBBYIST CONTACTS

List all persons that have made lobbying contacts on your behalf with respect to this contract:

Name

Address

2. LOCAL BUSINESS PREFERENCE STATEMENT (CODE, CHAPTER 34, SECTION 34-230)

Local business means a Person, including a foreign corporation authorized to transact business in Illinois, having a bona fide establishment located within the County at which it is transacting business on the date when a Bid is submitted to the County, and which employs the majority of its regular, full-time work force within the County. A Joint Venture shall constitute a Local Business if one or more Persons that qualify as a "Local Business" hold interests totaling over 50 percent in the Joint Venture, even if the Joint Venture does not, at the time of the Bid submittal, have such a bona fide establishment within the County.

- a) Is Applicant a "Local Business" as defined above?

Yes: X No:

- b) If yes, list business addresses within Cook County:

850 W Jackson St, Ste 420, Chicago IL 606073007 Malmo Dr, Arlington Heights, IL 600051500 Huntington Dr, Calumet City, IL 60409

- c) Does Applicant employ the majority of its regular full-time workforce within Cook County?

Yes: X No:

3. THE CHILD SUPPORT ENFORCEMENT ORDINANCE (CODE, CHAPTER 34, SECTION 34-172)

Every Applicant for a County Privilege shall be in full compliance with any child support order before such Applicant is entitled to receive or renew a County Privilege. When delinquent child support exists, the County shall not issue or renew any County Privilege, and may revoke any County Privilege.

All Applicants are required to review the Cook County Affidavit of Child Support Obligations attached to this EDS (EDS-5) and complete the Affidavit, based on the instructions in the Affidavit.

4. REAL ESTATE OWNERSHIP DISCLOSURES.

The Applicant must indicate by checking the appropriate provision below and providing all required information that either:

- a) ☐ The following is a complete list of all real estate owned by the Applicant in Cook County:

PERMANENT INDEX NUMBER(S): 08-23-202-044-0000

(ATTACH SHEET IF NECESSARY TO LIST ADDITIONAL INDEX NUMBERS)

OR:

- b) ☐ The Applicant owns no real estate in Cook County.

5. EXCEPTIONS TO CERTIFICATIONS OR DISCLOSURES.

If the Applicant is unable to certify to any of the Certifications or any other statements contained in this EDS and not explained elsewhere in this EDS, the Applicant must explain below:

If the letters, "NA", the word "None" or "No Response" appears above, or if the space is left blank, it will be conclusively presumed that the Applicant certified to all Certifications and other statements contained in this EDS.

COOK COUNTY DISCLOSURE OF OWNERSHIP INTEREST STATEMENT

The Cook County Code of Ordinances (§2-610 *et seq.*) requires that any Applicant for any County Action must disclose information concerning ownership interests in the Applicant. This Disclosure of Ownership Interest Statement must be completed with all information current as of the date this Statement is signed. Furthermore, this Statement must be kept current, by filing an amended Statement, until such time as the County Board or County Agency shall take action on the application. The information contained in this Statement will be maintained in a database and made available for public viewing.

If you are asked to list names, but there are no applicable names to list, you must state NONE. An incomplete Statement will be returned and any action regarding this contract will be delayed. A failure to fully comply with the ordinance may result in the action taken by the County Board or County Agency being voided.

"Applicant" means any Entity or person making an application to the County for any County Action.

"County Action" means any action by a County Agency, a County Department, or the County Board regarding an ordinance or ordinance amendment, a County Board approval, or other County agency approval, with respect to contracts, leases, or sale or purchase of real estate.

"Person" "Entity" or "Legal Entity" means a sole proprietorship, corporation, partnership, association, business trust, estate, two or more persons having a joint or common interest, trustee of a land trust, other commercial or legal entity or any beneficiary or beneficiaries thereof.

This Disclosure of Ownership Interest Statement must be submitted by :

1. An Applicant for County Action and
2. A Person that holds stock or a beneficial interest in the Applicant and is listed on the Applicant's Statement (a "Holder") must file a Statement and complete #1 only under **Ownership Interest Declaration**.

Please print or type responses clearly and legibly. Add additional pages if needed, being careful to identify each portion of the form to which each additional page refers.

This Statement is being made by the ☒ Applicant or ☐ Stock/Beneficial Interest Holder

This Statement is an: ☒ Original Statement or ☐ Amended Statement

Identifying Information:

Name Johnson Controls, Inc.

D/B/A: _____ FEIN NO.: 39-0380019

Street Address: 3007 Malmo Drive

City: Arlington Heights State: IL Zip Code: 60005

Phone No.: 847/806-4400 Fax Number: 847/364-1536 Email: _____

Cook County Business Registration Number: _____
(Sole Proprietor, Joint Venture Partnership)

Corporate File Number (if applicable): _____

Form of Legal Entity:

☐ Sole Proprietor ☐ Partnership ☒ Corporation ☐ Trustee of Land Trust

☐ Business Trust ☐ Estate ☐ Association ☐ Joint Venture

☐ Other (describe) _____

Ownership Interest Declaration:

1. List the name(s), address, and percent ownership of each Person having a legal or beneficial interest (including ownership) of more than five percent (5%) in the Applicant/Holder.

Name	Address	Percentage Interest in Applicant/Holder
BlackRock, Inc.	40 E 52nd St., New York, NY 10022	5.72%
Capital World Investors	333 S Hope St., 55th Flr, Los Angeles, CA 90071	5.8%

2. If the interest of any Person listed in (1) above is held as an agent or agents, or a nominee or nominees, list the name and address of the principal on whose behalf the interest is held.

Name of Agent/Nominee	Name of Principal	Principal's Address

3. Is the Applicant constructively controlled by another person or Legal Entity? ☐ Yes ☒ No
If yes, state the name, address and percentage of beneficial interest of such person, and the relationship under which such control is being or may be exercised.

Name	Address	Percentage of Beneficial Interest	Relationship

Corporate Officers, Members and Partners Information:

For all corporations, list the names, addresses, and terms for all corporate officers. For all limited liability companies, list the names, addresses for all members. For all partnerships and joint ventures, list the names, addresses, for each partner or joint venture.

Name	Address	Title (specify title of Office, or whether manager or partner/joint venture)	Term of Office

Declaration (check the applicable box):

- ☐ I state under oath that the Applicant has withheld no disclosure as to ownership interest in the Applicant nor reserved any information, data or plan as to the intended use or purpose for which the Applicant seeks County Board or other County Agency action.
- ☒ I state under oath that the Holder has withheld no disclosure as to ownership interest nor reserved any information required to be disclosed.

COOK COUNTY DISCLOSURE OF OWNERSHIP INTEREST STATEMENT SIGNATURE PAGE

Richard W Smith

Name of Authorized Applicant/Holder Representative (please print or type)

Signature

richard.w.smith@jci.com

E-mail address

Branch General Manager

Title

11-3-15

Date

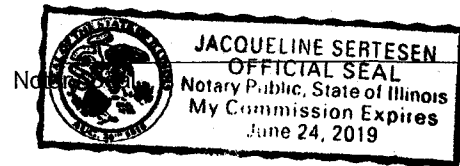
847-545-5631

Phone Number

Subscribed to and sworn before me
this 3 day of Nov, 2015

My commission expires: 6/24/19

Jacqueline Serteser
Notary Public Signature





COOK COUNTY BOARD OF ETHICS
 69 W. WASHINGTON STREET, SUITE 3040
 CHICAGO, ILLINOIS 60602
 312/603-4304 Office 312/603-9988 Fax

FAMILIAL RELATIONSHIP DISCLOSURE PROVISION

Nepotism Disclosure Requirement:

Doing a significant amount of business with the County requires that you disclose to the Board of Ethics the existence of any familial relationships with any County employee or any person holding elective office in the State of Illinois, the County, or in any municipality within the County. The Ethics Ordinance defines a significant amount of business for the purpose of this disclosure requirement as more than \$25,000 in aggregate County leases, contracts, purchases or sales in any calendar year.

If you are unsure of whether the business you do with the County or a County agency will cross this threshold, err on the side of caution by completing the attached familial disclosure form because, among other potential penalties, any person found guilty of failing to make a required disclosure or knowingly filing a false, misleading, or incomplete disclosure will be prohibited from doing any business with the County for a period of three years. The required disclosure should be filed with the Board of Ethics by January 1 of each calendar year in which you are doing business with the County and again with each bid/proposal/quotation to do business with Cook County. The Board of Ethics may assess a late filing fee of \$100 per day after an initial 30-day grace period.

The person that is doing business with the County must disclose his or her familial relationships. If the person on the County lease or contract or purchasing from or selling to the County is a business entity, then the business entity must disclose the familial relationships of the individuals who are and, during the year prior to doing business with the County, were:

- its board of directors,
- its officers,
- its employees or independent contractors responsible for the general administration of the entity,
- its agents authorized to execute documents on behalf of the entity, and
- its employees who directly engage or engaged in doing work with the County on behalf of the entity.

Do not hesitate to contact the Board of Ethics at (312) 603-4304 for assistance in determining the scope of any required familial relationship disclosure.

Additional Definitions:

"Familial relationship" means a person who is a spouse, domestic partner or civil union partner of a County employee or State, County or municipal official, or any person who is related to such an employee or official, whether by blood, marriage or adoption, as a:

- | | | |
|----------------------------------|--|---------------------------------------|
| <input type="checkbox"/> Parent | <input type="checkbox"/> Grandparent | <input type="checkbox"/> Stepfather |
| <input type="checkbox"/> Child | <input type="checkbox"/> Grandchild | <input type="checkbox"/> Stepmother |
| <input type="checkbox"/> Brother | <input type="checkbox"/> Father-in-law | <input type="checkbox"/> Stepson |
| <input type="checkbox"/> Sister | <input type="checkbox"/> Mother-in-law | <input type="checkbox"/> Stepdaughter |
| <input type="checkbox"/> Aunt | <input type="checkbox"/> Son-in-law | <input type="checkbox"/> Stepbrother |
| <input type="checkbox"/> Uncle | <input type="checkbox"/> Daughter-in-law | <input type="checkbox"/> Stepsister |
| <input type="checkbox"/> Niece | <input type="checkbox"/> Brother-in-law | <input type="checkbox"/> Halfbrother |
| <input type="checkbox"/> Nephew | <input type="checkbox"/> Sister-in-law | <input type="checkbox"/> Halfsister |

**COOK COUNTY BOARD OF ETHICS
FAMILIAL RELATIONSHIP DISCLOSURE FORM**

A. PERSON DOING OR SEEKING TO DO BUSINESS WITH THE COUNTYName of Person Doing Business with the County: Johnson Controls, Inc.Address of Person Doing Business with the County: 3007 Malmo Dr, Arlington Heights, IL 60005Phone number of Person Doing Business with the County: 847/806-4400

Email address of Person Doing Business with the County: _____

If Person Doing Business with the County is a Business Entity, provide the name, title and contact information for the individual completing this disclosure on behalf of the Person Doing Business with the County:

jacqueline.sertesens@jci.com, CSA, 847/806-4505 jacqueline.sertesens@jci.co

B. DESCRIPTION OF BUSINESS WITH THE COUNTY

Append additional pages as needed and for each County lease, contract, purchase or sale sought and/or obtained during the calendar year of this disclosure (or the preceding calendar year if disclosure is made on January 1), identify:

The lease number, contract number, purchase order number, request for proposal number and/or request for qualification number associated with the business you are doing or seeking to do with the County: _____

1530-15039

The aggregate dollar value of the business you are doing or seeking to do with the County: \$ 55,180.00

The name, title and contact information for the County official(s) or employee(s) involved in negotiating the business you are doing or seeking to do with the County: _____

Debra Rice, Project Manager, 312/603-7486

The name, title and contact information for the County official(s) or employee(s) involved in managing the business you are doing or seeking to do with the County: _____

Debra Rice, Project Manager, 312/603-7486

C. DISCLOSURE OF FAMILIAL RELATIONSHIPS WITH COUNTY EMPLOYEES OR STATE, COUNTY OR MUNICIPAL ELECTED OFFICIALS

Check the box that applies and provide related information where needed

- ☐ The Person Doing Business with the County is an **individual** and there is **no familial relationship** between this individual and any Cook County employee or any person holding elective office in the State of Illinois, Cook County, or any municipality within Cook County.
- ☒ The Person Doing Business with the County is a **business entity** and there is **no familial relationship** between any member of this business entity's board of directors, officers, persons responsible for general administration of the business entity, agents authorized to execute documents on behalf of the business entity or employees directly engaged in contractual work with the County on behalf of the business entity, and any Cook County employee or any person holding elective office in the State of Illinois, Cook County, or any municipality within Cook County.

**COOK COUNTY BOARD OF ETHICS
FAMILIAL RELATIONSHIP DISCLOSURE FORM**

- ☐ The Person Doing Business with the County is **an individual** and **there is a familial relationship** between this individual and at least one Cook County employee and/or a person or persons holding elective office in the State of Illinois, Cook County, and/or any municipality within Cook County. **The familial relationships are as follows:**

Name of Individual Doing Business with the County	Name of Related County Employee or State, County or Municipal Elected Official	Title and Position of Related County Employee or State, County or Municipal Elected Official	Nature of Familial Relationship*
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

If more space is needed, attach an additional sheet following the above format.

- ☐ The Person Doing Business with the County is **a business entity** and **there is a familial relationship** between at least one member of this business entity's board of directors, officers, persons responsible for general administration of the business entity, agents authorized to execute documents on behalf of the business entity and/or employees directly engaged in contractual work with the County on behalf of the business entity, on the one hand, and at least one Cook County employee and/or a person holding elective office in the State of Illinois, Cook County, and/or any municipality within Cook County, on the other. **The familial relationships are as follows:**

Name of Member of Board of Director for Business Entity Doing Business with the County	Name of Related County Employee or State, County or Municipal Elected Official	Title and Position of Related County Employee or State, County or Municipal Elected Official	Nature of Familial Relationship*
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Name of Officer for Business Entity Doing Business with the County	Name of Related County Employee or State, County or Municipal Elected Official	Title and Position of Related County Employee or State, County or Municipal Elected Official	Nature of Familial Relationship*
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Name of Person Responsible for the General Administration of the Business Entity Doing Business with the County	Name of Related County Employee or State, County or Municipal Elected Official	Title and Position of Related County Employee or State, County or Municipal Elected Official	Nature of Familial Relationship*
---	--	--	-------------------------------------

_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Name of Agent Authorized to Execute Documents for Business Entity Doing Business with the County	Name of Related County Employee or State, County or Municipal Elected Official	Title and Position of Related County Employee or State, County or Municipal Elected Official	Nature of Familial Relationship*
---	--	--	-------------------------------------

_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Name of Employee of Business Entity Directly Engaged in Doing Business with the County	Name of Related County Employee or State, County or Municipal Elected Official	Title and Position of Related County Employee or State, County or Municipal Elected Official	Nature of Familial Relationship*
---	--	--	-------------------------------------

_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

If more space is needed, attach an additional sheet following the above format.

VERIFICATION: To the best of my knowledge, the information I have provided on this disclosure form is accurate and complete. I acknowledge that an inaccurate or incomplete disclosure is punishable by law, including but not limited to fines and debarment.

Signature of Recipient

Date

11-3-15

SUBMIT COMPLETED FORM TO:

Cook County Board of Ethics
69 West Washington Street, Suite 3040, Chicago, Illinois 60602
Office (312) 603-4304 – Fax (312) 603-9988
CookCounty.Ethics@cookcountyil.gov

* Spouse, domestic partner, civil union partner or parent, child, sibling, aunt, uncle, niece, nephew, grandparent or grandchild by blood, marriage (*i.e.* in laws and step relations) or adoption.

SECTION 4

COOK COUNTY AFFIDAVIT FOR WAGE THEFT ORDINANCE

Effective May 1, 2015, every Person, **including Substantial Owners**, seeking a Contract with Cook County must comply with the Cook County Wage Theft Ordinance set forth in Chapter 34, Article IV, Section 179. Any Person/Substantial Owner, who fails to comply with Cook County Wage Theft Ordinance, may request that the Chief Procurement Officer grant a reduction or waiver in accordance with Section 34-179(d).

"Contract" means any written document to make Procurements by or on behalf of Cook County.

"Person" means any individual, corporation, partnership, Joint Venture, trust, association, limited liability company, sole proprietorship or other legal entity.

"Procurement" means obtaining supplies, equipment, goods, or services of any kind.

"Substantial Owner" means any person or persons who own or hold a twenty-five percent (25%) or more percentage of interest in any business entity seeking a County Privilege, including those shareholders, general or limited partners, beneficiaries and principals; except where a business entity is an individual or sole proprietorship, Substantial Owner means that individual or sole proprietor.

All Persons/Substantial Owners are required to complete this affidavit and comply with the Cook County Wage Theft Ordinance before any Contract is awarded. Signature of this form constitutes a certification the information provided below is correct and complete, and that the individual(s) signing this form has/have personal knowledge of such information.

I. Contract Information:

Contract Number: 1530-15039

County Using Agency (requesting Procurement): Bureau of Human Resources

II. Person/Substantial Owner Information:

Person (Corporate Entity Name): Johnson Controls, Inc.

Substantial Owner Complete Name: _____

FEIN# 39-0380010

Date of Birth: _____ E-mail address: _____

Street Address: 3007 Malmo Drive

City: Arlington Heights State: IL Zip: 60005

Home Phone: 847 800-4400 Driver's License No: _____

III. Compliance with Wage Laws:

Within the past five years has the Person/Substantial Owner, in any judicial or administrative proceeding, been convicted of, entered a plea, made an admission of guilt or liability, or had an administrative finding made for committing a repeated or willful violation of any of the following laws:

Illinois Wage Payment and Collection Act, 820 ILCS 115/1 et seq., YES or **NO**

Illinois Minimum Wage Act, 820 ILCS 105/1 et seq., YES or **NO**

Illinois Worker Adjustment and Retraining Notification Act, 820 ILCS 65/1 et seq., YES or **NO**

Employee Classification Act, 820 ILCS 185/1 et seq., YES or **NO**

Fair Labor Standards Act of 1938, 29 U.S.C. 201, et seq., YES or **NO**

Any comparable state statute or regulation of any state, which governs the payment of wages YES or **NO**

If the Person/Substantial Owner answered "Yes" to any of the questions above, it is ineligible to enter into a Contract with Cook County, but can request a reduction or waiver under **Section IV**.

IV. Request for Waiver or Reduction

If Person/Substantial Owner answered "Yes" to any of the questions above, it may request a reduction or waiver in accordance with Section 34-179(d), provided that the request for reduction of waiver is made on the basis of one or more of the following actions that have taken place:

There has been a bona fide change in ownership or Control of the ineligible Person or Substantial Owner
YES or NO

Disciplinary action has been taken against the individual(s) responsible for the acts giving rise to the violation
YES or NO

Remedial action has been taken to prevent a recurrence of the acts giving rise to the disqualification or default
YES or NO

Other factors that the Person or Substantial Owner believe are relevant.
YES or NO

The Person/Substantial Owner must submit documentation to support the basis of its request for a reduction or waiver. The Chief Procurement Officer reserves the right to make additional inquiries and request additional documentation.

V. Affirmation

The Person/Substantial Owner affirms that all statements contained in the Affidavit are true, accurate and complete.

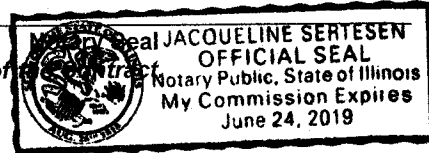
Signature: _____ Date: 11-3-15

Name of Person signing (Print): Richard W. Shortt Title: Branch General Manager

Subscribed and sworn to before me this 3 day of November, 20 15

x Jacqueline Serlesen
 Notary Public Signature

Note: The above information is subject to verification prior to the award of



SECTION 5

CONTRACT AND EDS EXECUTION PAGE

PLEASE EXECUTE THREE ORIGINAL PAGES OF EDS

The Applicant hereby certifies and warrants that all of the statements, certifications and representations set forth in this EDS are true, complete and correct; that the Applicant is in full compliance and will continue to be in compliance throughout the term of the Contract or County Privilege issued to the Applicant with all the policies and requirements set forth in this EDS; and that all facts and information provided by the Applicant in this EDS are true, complete and correct. The Applicant agrees to inform the Chief Procurement Officer in writing if any of such statements, certifications, representations, facts or information becomes or is found to be untrue, incomplete or incorrect during the term of the Contract or County Privilege.

Execution by Corporation

Johnson Controls, Inc.

Corporation's Name

847/545-5631

Telephone

Richard Smith

President's Printed Name and Signature

richard.w.smith@jci.com

Email

Secretary Signature

Date

11-3-15

Execution by LLC

LLC Name

*Member/Manager Printed Name and Signature

Date

Telephone and Email

Execution by Partnership/Joint Venture

Partnership/Joint Venture Name

*Partner/Joint Venturer Printed Name and Signature

Date

Telephone and Email

Execution by Sole Proprietorship

Printed Name Signature

Assumed Name (if applicable)

Date

Telephone and Email

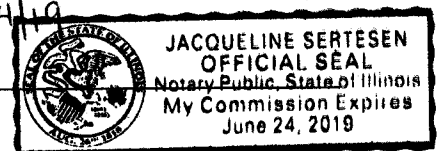
Subscribed and sworn to before me this

3 day of Nov, 2015

My commission expires: 6/24/19

Notary Public Signature

Notary Seal



*If the operating agreement, partnership agreement or governing documents requiring execution by multiple members, managers, partners, or joint venturers, please complete and execute additional Contract and EDS Execution Pages.



DELEGATION OF AUTHORITY

The undersigned, President of **Johnson Controls, Inc.**, a Wisconsin corporation (the "Company"), pursuant to the authority vested in him by a certain resolution adopted by the Board of Directors of the Company on January 23, 1980 hereby authorizes

Richard W. Smith
Branch General Manager

(hereinafter, the "Delegate") to perform, on behalf of the Company, the acts described below:

To execute and deliver any and all contracts for the performance of work, sale of goods, and furnishing of services, and any other instruments in connection therewith and in the ordinary course of business.

This authority does not extend to:

- a. the execution of surety, performance or bid bonds;
- b. the collection, receipt and recovery of monies due or to become due to the Company and the issuance of receipts and releases for the payment thereof;
- c. the signing of any notes, contracts, or any other agreement to borrow money in the name of the Company, or any form of guaranty for the payment or performance of obligations of any subsidiary, affiliate, or joint venture of the Company; or
- d. the signing, on behalf of the Company, of any deeds, abstracts, offers to purchase or any other instruments pertaining to the purchase or sale of real property.

Any actions taken by such Delegate within the scope of acts authorized herein taken between the date of expiration of any prior delegation of authority and the date hereof are hereby ratified, confirmed and approved as the acts and deeds of this Company.

This authority shall remain in full force and effect through June 17, 2016.

Signed at Milwaukee, Wisconsin, this 18th day of June, 2015.

A handwritten signature in black ink, appearing to read 'Alex A. Molinaroli', written over a horizontal line.

Alex A. Molinaroli, *President*

ATTEST:

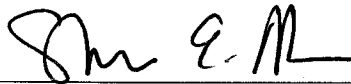
A handwritten signature in black ink, appearing to read 'Brian J. Cadwallader', written over a horizontal line.

Brian J. Cadwallader, *Secretary*



SECTION 6
COOK COUNTY SIGNATURE PAGE

ON BEHALF OF THE COUNTY OF COOK, A BODY POLITIC AND CORPORATE OF THE STATE OF ILLINOIS, THIS CONTRACT IS HEREBY EXECUTED BY:



COOK COUNTY CHIEF PROCUREMENT OFFICER

DATED AT CHICAGO, ILLINOIS THIS 8 DAY OF January, 2016

IN THE CASE OF A BID/ PROPOSAL/RESPONSE, THE COUNTY HEREBY ACCEPTS:

THE FOREGOING BID/PROPOSAL/RESPONSE AS IDENTIFIED IN THE CONTRACT DOCUMENTS FOR CONTRACT NUMBER

1530-15039

OR

ITEM(S), SECTION(S), PART(S): _____

TOTAL AMOUNT OF CONTRACT: \$55,180.00

(DOLLARS AND CENTS)

FUND CHARGEABLE: _____

APPROVED AS TO FORM:

Not Required

ASSISTANT STATE'S ATTORNEY
(Required on contracts over \$1,000,000.00)

Date